Notebook, N-07-04-13

	Calls	50	100	150	200	250
Stocky main 2 com grades Hop	350	812	840	841	827	827	807
Green Hops on ground —	351	803	820	825	816	815	797
Co plants	352	806	832	837	825	822	812
A Stocky main	359	850	850	840	815	812	786
Rump on stiff pkg	360	900	890	887	877	860	840
Mr plants	361	923	917	908	895	895	883
Cuttly from rump bifurcation pkg	368	898	885	850	807	800	762
very Stocky butt	369	926	885	842	813	815	777
Mr	370	897	885	877	846	837	817
very	317	925	920	917	903	910	900
effervescence main	318	915	925	896	882	890	885
Mr	319	935	917	907	892	892	885
glumose main stocky	383	883	895	888	882	870	866
Rump on bifurcation pkg	384	877	896	888	885	870	878
Co	385	883	896	900	892	882	850
glumose	404	962	981	998	987	978	968
7000 Co Grain	405	900	915	940	915	937	927
Co	406	932	925	940	915	890	856
Cuttly from Rump	440	842	845	847	857	841	840
Received	441	818	842	850	850	842	856
Co	442	842	820	853	866	848	860
Cuttly from Rump	443	855	862	875	885	867	850
Received	444	880	885	895	900	885	892
Mr	445	880	875	885	892	868	865

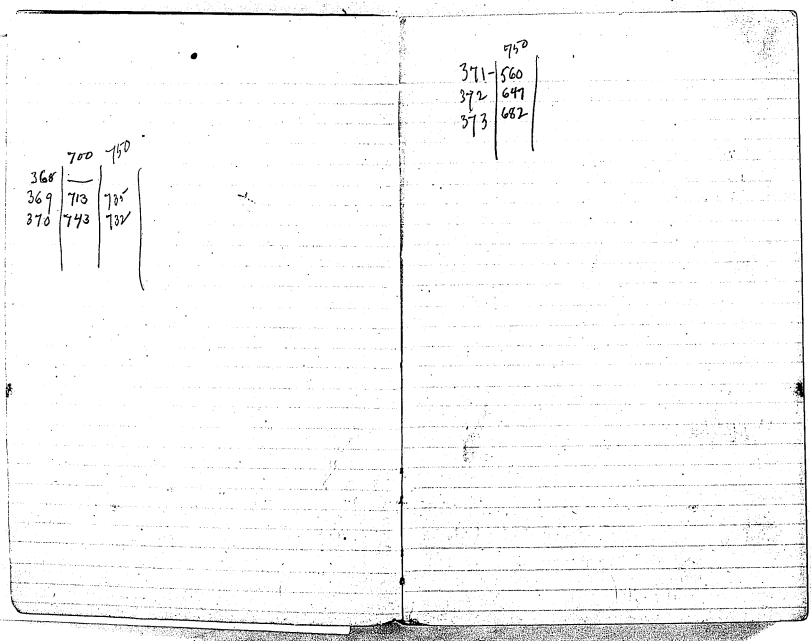
Tubes of Co Received inoculated
day of Count up —

had these received against 8 Co — did not improve
Co received Rump
343 : 10 hours
344 : 670
345 : 570
346 : 560

300	350	400	450	500	550	600	650	700	750	800
791	772	775	808	807	806	762	777	712	692	
777	745	738	790	792	793	753	765	711	680	
790	753	738	788	796	780	757	768	718	682	
778	732	768	818	835	913		728	691	702	
827	792	808	845	862	918		778	722	737	
873	845	860	883	892	950		806	737	737	
748	680	683	825	840	880	787	785			
687	721	712	811	820	880	790	793			
792	755	743	842	848	908	820	800			
891	880	870	857	850	8		882	722	787	
880	865	881	875	853			827	795	790	
872	847	863	847	837			815	756	757	
845	803	810	792	770			781	687	657	
860	812	817	802	790			776	662	570	
857	818	830	805	787			775	700	665	
953	905	900	865	837	847		761			
922	897	872	822	760	721		570			
853	840	858	787	756	710		546			
817	815	787	785	762	712	716	630	560		
832	846	807	822	830	780	771	680	628		
845	850	822	837	838	795	757	711	662		
862	862	792	780	720	782	667				
872	875	775	770	712	667	650				
835	840	722	692	650	600	591				

Co

just received — no test of last two years Mr Lister —
now given to follow to Reverse tube against the Con
+ See record 445 on page 1


700
750
368
369
370
713
743
735
732
750
371
372
373
560
647
682

		Cold	50	100	150	200	250	300	350	400	450	500	550	600	650	700
Assembled with old irons —	451	807	827	826	808	797	795	772	721	743	697	692	697	Co Home to Hallett to test for Capacity		
	452	930	861	846	832	850	835	817	785	777	755	745	721			
	453	797	846	843	838	812	792	762	725	772	737	717	656			
Remnant 356 but 11 rings Co	480	892	897	907	892	903	892	885	868	850	845	862	840	798	717	692
	481	897	900	913	910	913	893	906	887	870	865	816	846	775	697	545 Split pp
	484	862	900	900	900	891	890	865	843	902	877	902	865	812	755	762
Remnant of 371-374 collected two rings on new 11 Diplomy Co	485	972	896	858	882	860	867	870	887	880	862	892	828	787		700
	486	932	851	862	850	842	837	792	787	850	840	872	808	787	707	722
	487	872	893	891	850	844	830	821	833	850	822	840	805	787	672	670
Remnant 401 11	488	855	860	892	871	850	832	823	813	850	832	841	826	796	683	608
Remnant, 365 Co	494	865	885	897	898	878	870	857	862	882	862	892	861	837	757	697
"	495	843	765	887	883	871	850	850	850	862	837	867	850	822	736	712
Remnant, 365	496	950	936	937	908	900	875	881	871	937	906	873	848	807	618	550
	497	922	891	872	850	827	800	816	792	865	822	820	762	735	580	450
Co	499	897	892	900	900	857	778	778	750	638	538	443	Co	Co	Co	
Cutlg 9m	499	917	850	865	852	822	815	790	815	848	820	837	803	760	682	445
	500	847	897	844	825	807	783	780	770	776	765	760	733	700	640	575
Co	501	887	917	915	916	910	900	890	897	917	885	922	826	835	830	780
Coffinite not run Hallett. Co	502	892	892	900	885	860	850	820	830	900	837	855	831	820	750	670
	503	850	872	865	867	831	825	800	800	850	815	852	803	777	750	602
Ditto 9m	505	897	892	900	865	830	827	807	783	882	850	897	840	820	775	765
	507	850	867	857	838	817	820	765	767	847	825	867	818	800	772	737
50 Single Longs pencilly mate	511	912	930	955	952	950	937	932	940	945	907	952	903	857	800	825
	512	938	950	945	933	910	877	798	771	935	908	923	835	786	700	767

		Cal	50	100	150	200	250
250 mil/KCP		569	950	878	870	880	877	883
		565	867	900	890	900	897	898
	M'	566	883	900	890	897	887	886
100 Single Tamp		646	907	855	866	850	845	850
		647	795	845	866	860	837	847
	M'	648	793	830	830	836	820	835
100 Double Tamp		649	850	877	891	891	875	891
		650	800	887	835	836	813	818
	Co	651	834	835	879	872	857	882
		652	890	917	932	925	912	922
ditto		653	905	936	950	955	950	950
	M'	654	927	950	940	950	941	945
75 Double T		658	920	967	962	987	975	967
		659	910	941	955	948	942	932
	M'	660	953	975	996	995	978	967
flake thru 50 m		673	895	882	885	885	806	812
		674	922	911	930	916	900	885
	Co	675	612	920	931	916	877	853
Run Cold		752	900	985	993	955	1000	1002
		753	802	880	887	861	980	895
	Co	754	815	922	938	912	917	941
Run Cold		755	890	917	913	900	922	920
		756	877	967	980	972	987	980
	M'	757	917	997	1010	990	972	996

300	350	400	450	500	550	600	650	700	750	800	850	
860	852	885	835	845	807	777	758	792				
865	860	862	807	812	807	760	760	800				
842	830	800	737	790	741	710	650	715				
87	910	950	827	875	817	835		787				Co
825	787	872	827	865	820	810		767				
817	807	845	812	850	800	817		770				
865	[redacted]					788		660				Co to Hall and to 2 mm down
799						765		597				
860	842	882	817	802	790	758		670				
912	892	932	900	897	891	892	805	802				
947	925	932	917	916	900	915	837	807				
955	937	957	925	945	882	820	758	745				
957	910	955	935	960	878	880	771	725				Co to Hall for 2 mm.
870	835	920	905	917	845	850	750	750				
940	906	982	937	952	890	868	750	727				
775	735	842	787	787	736							Co
870	831	900	887	885	807							
860	845	912	887	840	712							
987	1005	962	987	930	955	927	930					
852	890	858	862	847	865	847	875					
937	950	910	922	877	900	877	867					
900	922	853	870	833	850	822	825					
972	957	938	945	920	935	930	935					
987	1015	953	975	941	956	937	937					

	Cal	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
Run Cold	758	831	970	967	971	960	962	943	965	960	930	877	895	872	857		
	759	832	958	940	903	930	945	915	937	937	900	847	862	822	800		
Co	760	895	992	1050	967	997	1012	977	1037	1000	957	917	933	910	958		
Run Cold	761	960	1030	1045	1040	1055	1055	1032	1055	1050	1012	987	997	957	987		
	762	877	958	972	960	982	997	982	1010	1013	970	950	967	937	962		
M	763	945	1025	1032	1017	1030	1033	1020	1048	1032	1007	992	1010	981	972		
Reg spun warped long time under distilled	906	892	945	922	925	875	841	817	840		675						
very sticky - thick	907	845	895	900	875	845	850	842	850		757	Co					
Mi	908	870	915	910	875	825	820	793	835		700						
Dry pkg 100 section	1183	850	885	883	887	887	927	890									
16 flds 3/7 -	1184	848	866	867	856	867	902	867									
	1185	823	900	895	907	895	936	907									
5 Cafleets 12 g Mix 40	1301	902	955	962	945	957	971	941									
300 section dry pk	1302	882	880	866	850	830	767*	600*	Co								
150 section Large	1297	621	597	582	570	555	626	625	595	570							
flake graphite —	1298	627	592	595	574	555	625	632	608	580							
Pkgs Rejects 2400 Regular pkgs 10 Co 24 g Mix 20 fld sum Mommy 1 Style	1470	1055	1066	1058	1070	1042	987	810	815								
	1471	1057	1067	1045	1070	1050	996	847	795	Co							
	1472	1055	1070	1056	1060	1032	977	819	787								
2400 003 24 Cal	1500	1003	1055	1043	1055	1065	1058	868									
10 Co 24 g Mix 2 Cum Mommy	1501	1055	1083	1057	1070	1078	1076	847	Co								
Style 1 4148	1502	1075	1075	1092	1087	1066	1068	867									
Disp 1500	1503	1087	1116	1095	1082	1075	1043	846									
Style 2	1504	1116	1125	1095	1077	1070	972	895	Co.								
	1505	1092	1100	1045	1045	1017	890*	841									

Dry packing

	Cal	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
Beg 1586	1509	1046	1100	1085	1120	1091	885		762 SX	Co							
Style 2	1510	1062	1112	1097	1092	1100	1100		977								
4.449	1511	1050	1086	1075	1070	1077	1085		987								
2400 oa3 (heavy gravel)	1515	1068	1092	1067	1065	1062	948		762 SX	Co							
10 Co 24 g style 2	1516	1067	1090	1077	1072	1070	1035		827 SX								
	1517	1048	1066	1035	1050	1065	1010		835 SX								
10 Co 24 - 24000 Sand Mix	1512	1113	1108	1087	1072	1076	1035										
Clay 10 and 10	1513	1160	1107	1080	1067	1053	955	Co									
4.470	1514	1120	1127	1082	1040	967	862										
2400 oa3 10 Coal	1530	956	993	1015	1017	1011	972	853	832 SX	752	747						
21 Inch Sand 3 Inch/	1531	912	963	982	995	1000	950	860	832	690	825	) Co					
1 Coal Mix 10 Style 10	1532	827	862	910	9112	917	871	690	695	635	805						
2400 oa3 10 Mix	1559	867	842	855	862	911	867	887	880	892							
Break 24 g	1560	867	830	855	860	905	910	905	880	912							
Style 1 Not H.	1561	892	862	872	882	912	895	875	822	827							
2400 oa3 10 Mix	1575	922	907	952	950	975	976	955	940	912	932						
Break Thru H -	1576	892	890	922	927	942	950	933	922	900	917						
24 g Style 1	1577	907	890	932	942	962	970	931	907	877	872						
2400 oa3 Spiral Lube	1601	817	977	1017	1035	1027	1027	H46	Co								
10 Co 24 g	1602	915	977	1010	1020	1017	1017	968									
Style 2 Reg pressure																	
Rep 1554 -	1609	967	981	1020	1037	1047	970	1005	Co								
Coal 10 Co 24 g pkd	1610	892	957	980	1010	1012	1032	943									
with sand plug 4	611	912	947	985	1011	1030	1027	967									
Section Style 2																	
Pressure 15 to 21 psi.																	
2400 oa3 10 Co 24 g	1624	972	1015	1005	1021	972	935										
Using Reg. Spiral feed	1625	976	1018	1026	1025	1025	986										
21" Style 1	1626	987	1025	1010	1031	1006	960										

	Cold	50	100	150	200	250	300	350	400	450	600	550	600	650	700	750	800
Mf turned from 1 week before																	
Brew 2 gr. sid. from...																	
24 g to mf 1001 brew	1740	962	1053	1095	1056	1000	1050	997	1000								
2400 - 003 3 Cbs -	1741	955	1061	1061	1068	1032	1087	1052	1040								
ditto 3½ Cbs	1742	1017	1085	1090	1073	1092	1077	1005	975								
6.09	1743	962	1036	1062	1037	1035	1106	1062	1070								
ditto 4 Cbs	1744	998	1082	1088	1112	1087	1135	1100	1087								
6.351	1745	957	1037	1042	1066	1027	1072	1030	1067								
Ditto 4 ½	1746	908	987	1005	1037	1000	1050	1023	1000								
6.56	1747	912	985	990	997	975	1012	973	992								
Ditto 5 Cbs	1748	880	962	950	957	962	987	975	972								
6.53	1749	902	967	972	992	975	1005	987	972								
Brew - 004 brew - 1642	1762	1045	1153	1222	1202	570											
Δ 10 24 g sid. for	1763	1130	1245	1265	1277	875 x											
sunk 10 Cbs 10	1764	1023	1167	1197	1220	962											
m 3½ Cbs																	
Do 4 Cbs	1765	1072	1242	1250	1280	1012 x											
	1766	1050	1266	1282	1275	655 x											
	1767	1082	1205	1210	1202	925 x											
Do 4½ Cbs	1768	1087	1157	1200	1205	851 x											
	1769	1083	1223	1237	1247	1207 x											
	1770	1023	1147	1137	1162	1058 x											
Do 5 Cbs	1771	987	1132	1166	1180	1162 x											
	1772	905	1030	1056	1100	962											
	1773	938	1127	1137	1152	1140 x											
Ditto Nicolake	1774	970	1040	1058	1086	1087	1082 x	1072	1035	1047							
3 Cbs	1775	1017	1130	1147	1175	1177	1165	1160	1122	1130							
Dog Eyed Lou 5.19	1776	967	1075	1068	1087	1091	1065	1050	1029	1040							
Nelson																	

4 hours dry hop
Brew 10 on 5½ Cbs
Hamilton Hop

Brew - 004 brew - 1642
Δ 10 24 g sid. for
sunk 10 Cbs 10
m 3½ Cbs

Dry hop 1 Cb Cascade
Dry hop 1 Cb Cascade

Dry hop 1 Cb Cascade

Dry hop 1 Cb Cascade

3/32
1093

		Cal	50	100	150	200	250
do Rifle ab	1777	955	1022	1017	1082	1068	1037
3½ lbs	1778	961	1050	1042	1057	1058	1050
6.17	1779	943	1040	1046	1077	1067	1068
Ditto Rifle	1780	983	1085	1078	1110	1092	1070
4 lbs 6.22	1781	960	1065	1060	1057	1066	1037
	1782	967	1057	1087	1092	1095	1098
do	1783	965	1056	1057	1047	1030	982
4½ lbs	1784	973	1131	1142	1153	1162	1135
6.3	1785	965	1073	1072	1090	1100	1077
Do 5 lbs	1786	965	1060	1042	1078	1055	1030
6.45	1787	902	1000	992	1005	1006	1000
	1788	927	1050	1013	1062	1062	1048
2400 – 005 – burn grains	1789	958	1130	1160	1162	1172	1115
1 wadding from 10 to 247	1790	1030	1172	1200	1217	1153	922
3 lbs square rifled	1791	958	1115	1158	1180	1085	827
Rup 1789 5.40	1792	1000	1166	1196	1235	1245	1163
3½ lbs	1793	1038	1165	1157	1217	1227	922
	1794	1025	1200	1210	1222	1228	960
Rup 1789 5.76	1795	1000	1158	1205	1232	1237	970
4 lbs	1796	1013	1173	1197	1237	1241	1207
	1797	935	1120	1140	1167	1167	1032
Rup 1789 5.88	1798	892	1071	1116	1110	1133	762
4½ lbs	1799	900	1123	1132	1135	1142	1143
	1800	905	1112	1135	1136	1125	1112

Powder spun Shot fully 1/4 t –

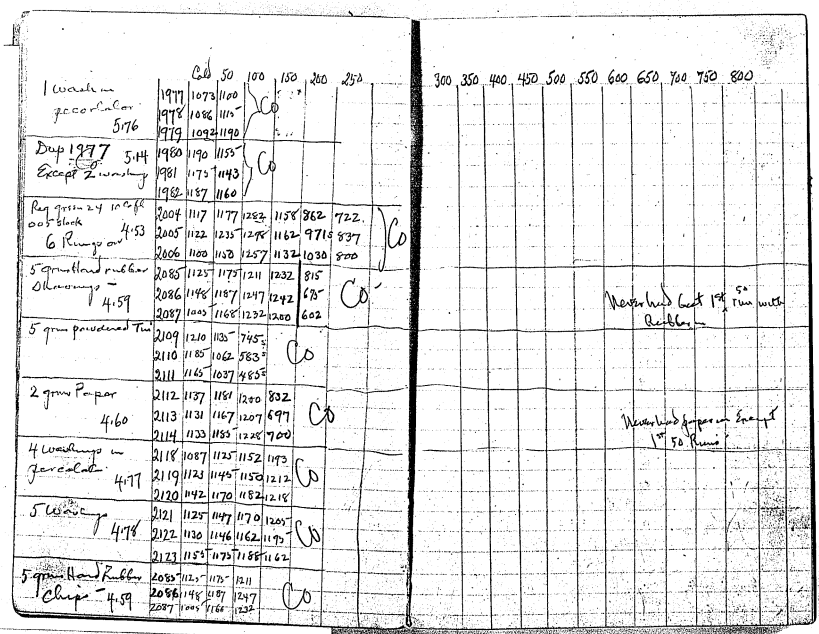
55 Swivels Space
85 Rods "
Swivels
1038 bullets spaced 4 feet

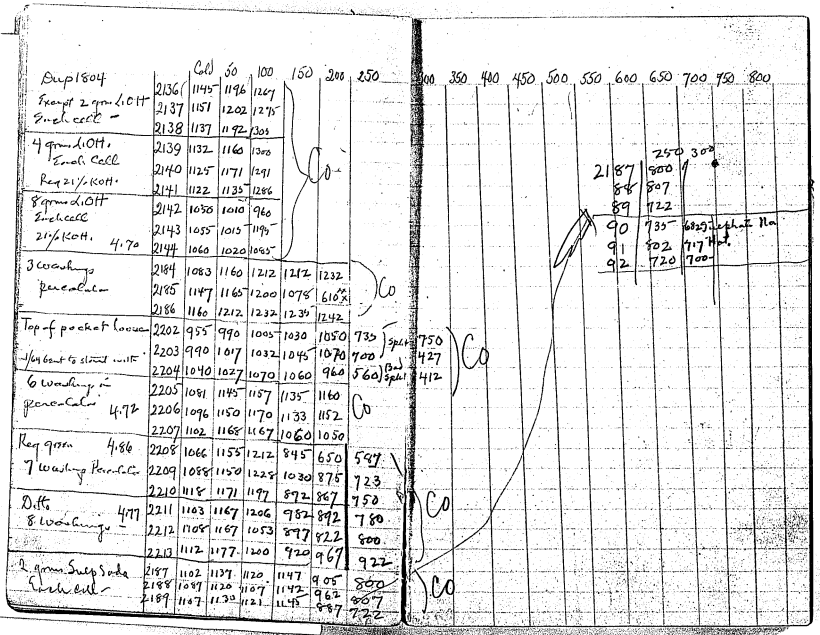
300	350	400	450	500	550	600	650	700	750	800
1032	985	995								
1011	970	987								
1057	1030	1045								
1047 ss	997	970								
1023 ss	982	977								
1100 os	1070	1080								
963 s	930s	900								
1135 s	1120	1100								
1080 ss	1047	1060								
990 s	945	920								
1012 s	992	1020								
1040 s	1017	1035								
Co										
948 s	Co									
825 os	Co									
592 os	Co									
790 os	Co									
920 oss	Co									
763 oss	Co									
595 os	Co									
960 oss	Co									
1050 ss	Co									

005. Stock seed

	Bkd	50	100	150	200	250
Dup 1787	1801	895	1070	1100	1117	1142	1143
5 Cl 5.92	1802	975	1050	1075	1120	1143	1145
	1803	847	1015	1076	1107	1120	1113
anti sidefeed 1000 24 g 005 2400 3½ 4 gr KCl	1828	1141	1135	1175	1075		
	1829	1137	1128	1130	765		
	1830	1105	1098	1080	656		
Dup 2 gram KBr	1831	1162	1137	1180	1087		
	1832	1162	1138	1172	1100		
	1833	1150	1130	1150	1095		
Dup 4 KBr	1835	1145	1137	1007	790		
	1836	1162	1047	907	927		
	1837	1147	1130	1078	972		
Nuflake 3½ 10 Mi 24 g 5.22 Reg sidefeed 005 2 gram KCl Reg gain 1.0 Buf 1.001	1838	1000	1000	997	966	975	920
	1839	1002	1005	998	970	975	940
	1840	983	975	992	975	984	945
Nuflake Bdp 1838 4 gram KCl 5.47	1841	978	1035	1027	1060	1062	1000
	1842	958	955	977	1000	980	932
	1843	942	935	1007	1000	995	937
Nuflake 2 gram KBr 5.60	1844	940	915	925	925	935	870
	1845	955	940	957	957	965	887
	1846	963	941	962	962	965	890
Nuflake 4 gram KBr 4.99	1847	1008	955	1010	990	1007	942
	1848	1031	1010	1027	1012	1037	975
	1849	1035	1025	1030	1012	1017	970

	300	350	400	450	500	550	600	650	700	750	800
1122 3.0	572	500									
013 05	520	500									
043,85	800	740									
	930										
	962										
	962										
	987										
	932										
	900										
	867										
	897										
	890										
	975										
	980										
	980										


Col 50 100 150 200 250
1 washer in gas cylinder 5/76
1977 1073 1100
1978 1086 1115
1979 1092 1190
Co
Dup 1977 5.14 Except Drawing
1980 1190 1155
1981 1175 1143
1982 1187 1160
Co
Reg 9mm 24 10 gr 005 Black 4.53 6 Rings on
2004 1117 1177 1252 1158 862 722
2005 1122 1235 1278 1162 971 837
2006 1100 1138 1257 1132 1030 800
Co
5 gm Flat rubber Washers 4.59
2085 1125 1175 1211 1232 815
2086 1148 1187 1247 1242 675
2087 1005 1168 1232 1200 602
Co
Neoprene Cert 1st 50 run with Rubber
5 gm powdered Tin
2109 1210 1135 745
2110 1185 1062 583
2111 1165 1037 485
Co
2 gm Paper 4.60
2112 1137 1151 1200 832
2113 1131 1167 1207 697
2114 1133 1155 1228 700
Co
Neoprene Paper in Except 1st 50 Runs
4 washings in gas cylinder 4.77
2118 1087 1125 1152 1193
2119 1123 1145 1158 1212
2120 1142 1170 1182 1218
Co
5 Washers 4.78
2121 1125 1147 1170 1205
2122 1130 1146 1162 1190
2123 1154 1175 1188 1162
Co
5 gm Flat Rubber Chips 4.59
2085 1125 1175 1211
2086 1148 1187 1247
2087 1005 1168 1232
Co
300 350 400 450 500 550 600 650 700 750 800


Dup 1804
Except 2 gm LiOH
Each cell —
4 gm LiOH,
Each Cell
Req 21% KOH.
8 gm LiOH
Each cell
21% KOH. 4.70
3 washings
per cake
Top of pocket loose
1/64 cut to steel unit
6 washings in
per cake 4.72
Req 9 gm 4.86
7 washings per cake
Diff. 477
8 washings —
2 gm Sulfo Soda
Each cell —
Cd 50 100 150 200 250
2136 1145 1196 1269
2137 1151 1202 1275
2138 1137 1192 1305
2139 1132 1160 1300
2140 1125 1171 1291
2141 1122 1135 1286
2142 1050 1010 960
2143 1055 1015 1195
2144 1060 1020 1065
2184 1083 1160 1212 1272 1232
2185 1147 1165 1200 1078 616
2186 1160 1212 1232 1239 1242
2202 955 990 1005 1030 1050 735
2203 990 1017 1032 1045 1070 700
2204 1040 1027 1070 1060 960 560
2205 1081 1145 1157 1135 1160
2206 1096 1150 1170 1133 1152
2207 1102 1165 1167 1060 1050
2208 1066 1155 1212 845 650 549
2209 1088 1150 1228 1030 875 723
2210 1118 1171 1197 872 857 750
2211 1103 1167 1206 982 892 780
2212 1108 1167 1053 897 822 800
2213 1112 1177 1200 920 967 922
2187 1102 1137 1120 1147 905 800
2188 1089 1120 1107 1142 962 807
2189 1147 1130 1121 1145 887 722
Co
Co
Co

		Cold	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
No wash, air dried	2217	1066	1145	1107	1131													
washed free NaOH.																		
Dried in desiccator	2218	1080	1135	1100	1105		Co											
200 Tube 4.320	2219	1052	1115	1065	1035													
½ wash air Dried	2220	1047	1128	1067	1075													
washed free NaOH.	2221	1075	1160	1110	1100		Co											
heated in desiccator																		
200 tube 4.320	2222	1045	1142	1060	1061													
Ra 662 - 91% NaOH	2223	987																
9% Bi_2O_3 Iwo 20	2224	956		Co														
10 cc f - 4.34	2225	1027																
Ra 90% NaOH.	2226	971																
10% $Co_2(OH)_6$	2227	986		Co														
Iwo 20 10 cc f - 5.41	2228	1013																
Ra 90% $NaOH_2$	2229	1147																
10% Bi_2O_3 mixed	2230	1130		Co														
hopeless powder, 10 cc fills up 4.92	2231	1147																
90% NaOH 15	2232	970																
Bi_2O_3																		
made up same as Ra 718	2233	897		Co														
Bi_2O_3 10% NaOH 10%	2234	970																
Ra 718 Iwo 20 No wash	2235	1183	1202															
air dried washed dried																		
Ppt pk already fine	2236	1207	1207		Co													
Iwo 20 m 4.77	2237	1200	1187															
Ra 719	2238	1152	1082															
No wash air dry washed																		
dried already fine	2239	1172	1112		Co													
Iwo 20 m - 4.67	2240	1133	1050															

		Col 50	100	150	200	250
Ra 745 - no wash Not filtered on Dried Dried Sawdust Sawdust percentage - 4.67	2241	1121 1097				
	2242	1121 1145	Co			
	2243	1110 1112				
Ra 752 no wash Dried Sawdust Coconut free 5.128	2244	1047 1022				
	2245	1063 1007	Co			
	2246	1073 1050				
Ra 744 - no wash Filtered on Dried Sawdust heat percentage 4.80	2247	1212 1166				
	2248	1187 1170	Co			
	2249	1205 1139				
Ra 765 10 x 24 Co ff Reg - 005 - 24 x 10 - Very finely ground 6.44	2250	692				
	2251	682	Horrible Ground flour coconut was too heat			
	2252	650		Co		
Ra 767 - 10 Co 247 005 - 24 x 10 - 4.90	2253	1197 1177	Co			
	2254	1212 1136				
Ra 768 - Dup 2253 4.70	2255	1165 1150	Co			
	2256	1197 1150				
Ra 769 - Dup 2253 5.22	2257	1175 1161	Co			
	2258	1208 1186				
Ra 770 Dup 2253	2259	1207 1193	Co			
	2260	1230 1195				
Ra 771 Dup 2253 4.92	2261	1177 1140	Co			
	2262	1170 1136				
Ra 772 Dup 2253 4.82	2263	1235 1192	Co			
	2264	1182 1158				

300 350 400 450 500 550 600 650 700 750 800

All tubes after 2306 charged 8 hours

2270 not on ICL 6 Disk

		Cold	50	100	150	200	250
RA 766 Dup 2253	2268	1175	1137				
	2268	1200	1075	Co			
	2269	1180	1110				
RA 711 A. 4.31	2281		1101				
	2282		1128	Co			
	2283		1120				
RA 749. 4.17	2290		717	Co			
	2291		720				
RA 750. 4.23.	2292		910	Co			
	2293		937				
RA 751 4.02	2294		717	Co			
	2295		925				
RA 748. 4.25 no condensor pump not fitted.	2296		730	Co			
	2297		722				
RA 788 5.04	2298		1092	Co			
	2299		1077				
10 Co 24 3/4 cut 1400 coil CPC Ceramic Flame shield	2300	1173	1100	1162			
	2301	1185	1092	1170			
	2302	1192	1112	1175			
Run Cold	2303	1250	1100	1077			
	2304	1192	1095	1150			
4.99	2305	1190	1090	1135			
Dup 2300 Except	2306	1190	1050	1090			
Except Heat programme from Cold	2307	1150	1062	1125			
Run Cold 4.48	2308	1200	1102	1155			

5

300	350	400	450	500	550	600	650	700	750	800
						100				
					2270	835				
					71	997				
					72	865				
					75	627				
					76	565				
					77	820				
					78	723				
					79	858				
					80	672				

Co

all bad Seals & Gas Pump broken on 2276.

Everything after 2300 6½ hours Wednesday 5th Dec – 1.50

6½ cty

Cold 50 150

Dup 2306	2309	1170	987	790	570	
Cuttg from Rim hot 8 hum cracks	2310	1210	1057	822	672	
4.69	2311	1207	1042	857	617	
Dup 2306 Cuttg from Rim hot crossed over cracks	2312	1197	1192	1010		
	2313	1143	975	1010		
4.72	2314	1130	1011	1002		
Dup 2300 Rej cum	2315	1145				
Except 9 Co flecks 1 ni	2316	1188	Co			
4.80	2317	1191				
Dup 2315	2318	1150				
Except 8 Co 2 ni flecks	2319	1135	Co			
24 g – 4.90	2320	1155				
Dup 2315	2321	1112				
Except 7 Co 3 ni flecks	2322	1140	Co			
4.70	2323	1127				
Dup 2315	2324	1172				
6 Co 4 ni flecks	2325	1172	Co			
4.83	2326	1165				
Dup 2315	2327	1146				
5 Co 5 ni flecks	2328	1132	Co			
4.90	2329	1147				
Dup 2315	2330	1135				
Except 4 Co 6 ni –	2331	1132	Co			
4.90	2332	1125				

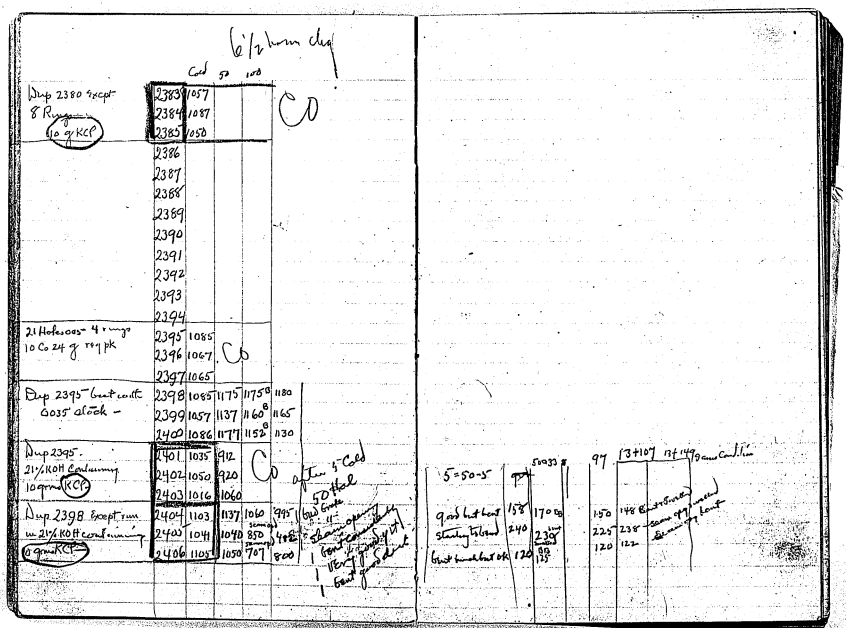
Flat pockets /	2333	520	
	2334	547	
	2335	550	
	2336	522	
	2337	538	
Grandma 30 mark from me	2338	1182	
10 @ 24 g Pay ½	2339	1210	
2400 - 1200 = ½	2340	1186	
4.43			
Dup 2338	2341	1182	
Except grass illus 70	2342	1182	
4.31	2343	1182	
Dup 2338	2344	1183	
Except g Illus 50	2345	1158	
4.22	2346	1140	
Dup 2338	2347	1215	
Except g Illus 60	2348	1185	
4.40	2349	1215	
Dup 2338	2350	1097	
Except g Illus 100	2351	1097	
	2352	1117	
	2353		
	2354		
	2355		
	2356		
	2357		
	2358		

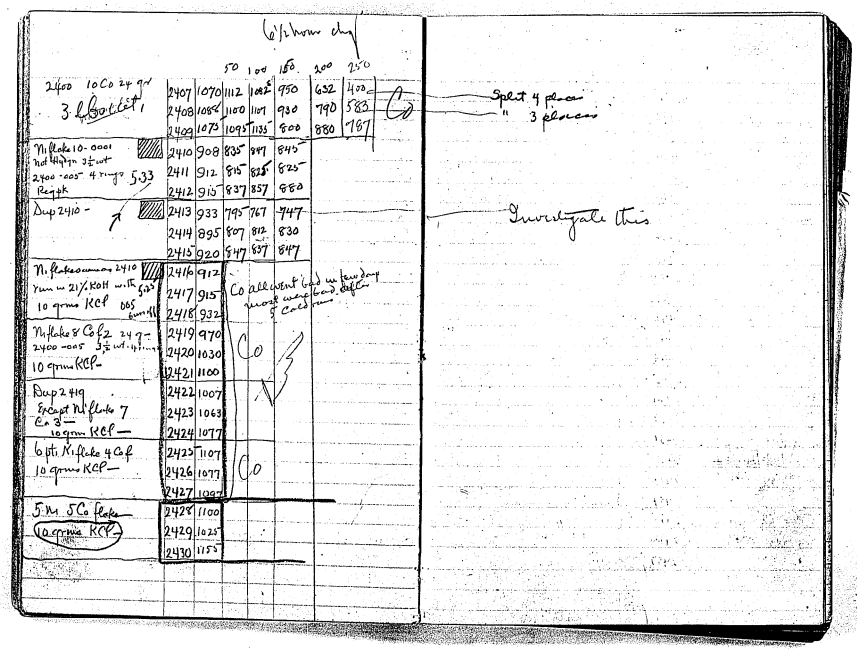
6½ hr cly

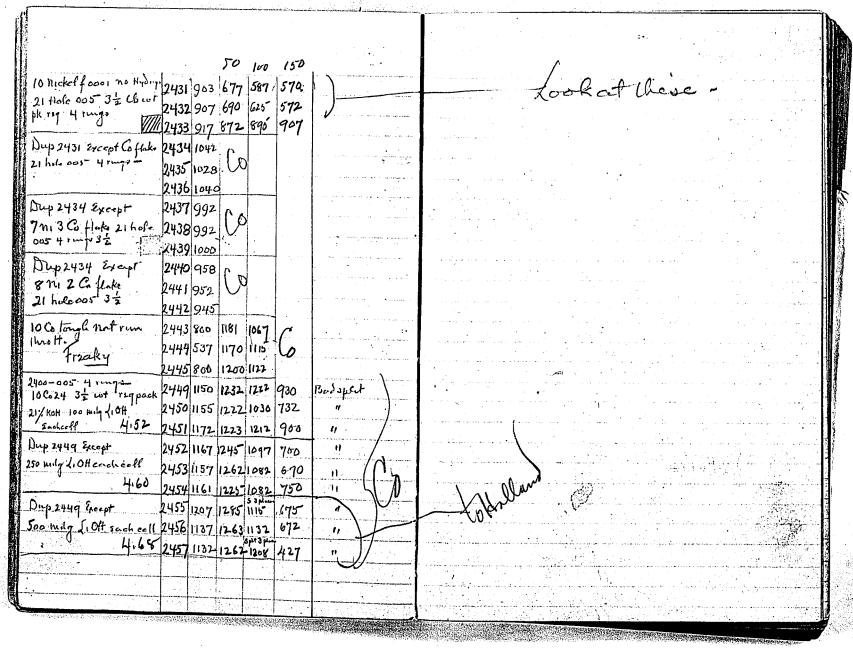
		Load	50	100	150
	2359				
	2360				
	2361				
2400-005 - 10 Co 248 Reg pack Run in 18% KOH 3% K_2CO_3	2362	935	952	872	
	2363	937	970	1017	
	2364	927	962	957	
Disp 2362 Except 16% KOH 5% K_2CO_3	2365	975	968	832	
	2366	965	937	845	
	2367	971	930	835	
Disp 2362 13% KOH 8% K_2CO_3	2368	827	811	822	891
	2369	787	823	895	892
	2370	857	835	867	880
Reg 2400-005 - Reg Everything Except 6 rings	2371	1107	1110	995	806
	2372	1100	1125	1110	912
	2373	1120	1140	912	807
Disp 2371 Except 8 Rings	2374	1107	1160	1067	1015
	2375	1115	1150	1087	917
	2376	1107	1115	875	897
	2377				
	2378				
	2379				
Reg 2400-005 - Reg 10 Co 24 - 6 rings - 10 gm KOH	2380	1007			
	2381	1070	Deliquesced Load after 1 week soak		
	2382	1062			
	~~2383~~				

CO

CO




Co/Mn on dry
50 100 150 200 250
2400 10 Co 24 hr
3 blanket
2407 1070 1112 1082 950 632 402
2408 1088 1100 1101 930 790 583
2409 1073 1095 1135 800 880 767
Split 4 pieces
" 3 pieces
Ni flake 10-0001
Ind Mfg 3½ wt
2400-005 4 rings 5.33
Repeat
2410 908 835 847 845
2411 912 815 835 825
2412 915 837 857 880
Dup 2410 -
2413 933 795 767 747
2414 895 807 812 830
2415 920 847 837 847
Investigate this
Ni flake common 2410
run in 21% KOH with 5.33
10 gms KCl
2416 912
2417 915
2418 932
Co all went bad in boundary
Ni flake 8 Co f2 24 hr
2400-005 ½ wt. ppt
10 gms KCl
2419 970
2420 1030
2421 1100
Co
Dup 2419
Except Ni flake 7
Co 3
10 gms KCl
2422 1007
2423 1063
2424 1077
6 pt. Ni flake 4 Co f
10 gms KCl
2425 1107
2426 1077
2427 1097
Co
5 Ni 5 Co flake
10 gms KCl
2428 1100
2429 1025
2430 1155



		50	100	150	
10 Nickel foam; no Hydrip	2431	903	677	587	572
21 hole .005" 3½ CB wet	2432	907	690	615	572
pk ring 4 rings	2433	917	872	896	907
Dup 2431 except Co flake	2434	1042			
21 hole .005" 4 rings	2435	1028	Co		
	2436	1040			
Dup 2434 except	2437	992			
7 Ni 3 Co flake 21 hole	2438	992	Co		
.005" 4 rings 3½	2439	1000			
Dup 2434 except	2440	958			
8 Ni 2 Co flake	2441	952	Co		
21 hole .005" 3½	2442	945			
10 Co tough nat rum	2443	800	1181	1067	
Insert.	2444	537	1170	1110	Co
Freaky	2445	808	1200	1122	
2400—.005" 4 rings	2449	1150	1232	1222	930 Rod apart
10 Co 24 3½ wet ring pack	2450	1155	1222	1036	732 "
21% KOH 100 mils/Off	2451	1172	1223	1212	908 "
Sankcell 4.52					
Dup 2449 Except	2452	1167	1245	1097	700 "
250 mils/Off each cell	2453	1157	1262	1082	690 "
4.60	2454	1161	1225	1082	758 "
			3 rings		
Dup 2449 Except	2455	1207	1285	1115	695 "
500 mils/Off each cell	2456	1137	1263	1132	672 "
4.68	2457	1132	1262	1208	427 "
				4 rings	

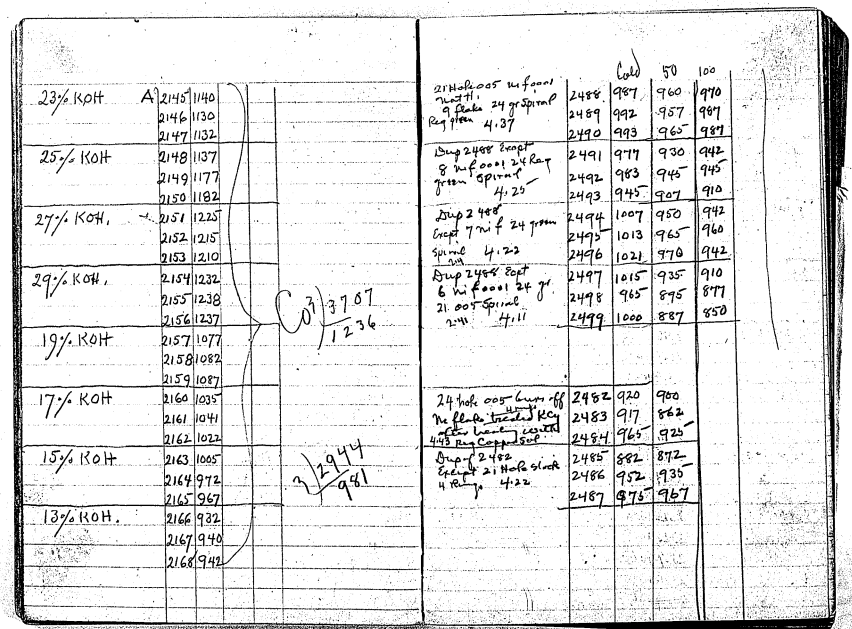
Look at these -

to Holland

		50	100	150		
Dup 2449 except	2458	1200	1275	8945	482	Badly Split + Swollen
1 grms $LiOH$ each cell	2459	1212	1270	890	420	
4.59	2460	1160	1247	695	390	
Dup 2449 except	2461	1170	1262	735	437	
1½ grms $LiOH$	2462	1162	1291	890	430	
Each cell 4.52	2463	1200	1246	688	450	
21 Hole ebonite 005 Cf	2464	1132	1230	1245	832	465 " Badly Split
4.46 4 Rings Cf Each cell	2465	1127	1235	1272	1017	847
Resp pk 1 grm $LiOH$	2466	1152	1267	1322	500	849 Badly Split 3pc Scarcely Split.
Each cell 21% KOH.						
Dup 2465 except	2467	1095	1240	1185	1017	
2 grms $LiOH$. 4.57	2468	1142	1292	1297	927	
	2469	1147	1247	1247	1220	
21 Hole ebonite 005	2470	892	992	1012	1015	
10 mf 249 - 4 rings	2471	890	992	995	1000	
2 grms $LiOH$. 5.27	2472	892	1000	1012	1022	
Dup 2470	2473	865	882	850	890	
Except cells (all ebo) 15% KOH	2474	850	900	882	900	
4 2 grms $LiOH$. 5.31	2475	845	895	875	892	
Each cell.						
Dup 2464 Cf ebo	2476	992	1082	990	935	
15% KOH -	2477	1017	1117	1117	1060	
2 grms $LiOH$. 4.52	2478	1008	1115	1087	1050	
Rep 2400 005 Cf	2479	1125	1215	1095	1010	Bad Split
15% KOH.	2480	1122	1135	1075	677	
2 " $LiOH$. 4.60	2481	1140	1212	1145	847	

Evidently - $LiOH$. attacks Cobalt flake probably dumagnates + then becomes active or its the increase of capacity that does it.

June 3rd 1907 examined cells OK about 3 same normal but then original - OK - into Brown Fe clad -


23% KOH A 2145 1140
2146 1130
2147 1132
25% KOH 2148 1137
2149 1177
2150 1182
27% KOH. 2151 1225
2152 1215
2153 1210
29% KOH. 2154 1232
2155 1238
2156 1237
19% KOH 2157 1077
2158 1082
2159 1087
17% KOH 2160 1035
2161 1041
2162 1022
15% KOH 2163 1005
2164 972
2165 967
13% KOH. 2166 932
2167 940
2168 942
Cold 50 100
21 Hole .005 mi foam matl. 9 flakes 24 gr Spiral Reg green 4.37 2488 987 960 970
2489 992 957 987
2490 993 965 987
Drop 2488 Except 8 mi foam 24 Reg green Spiral 4.25 2491 977 930 942
2492 983 945 945
2493 945 907 910
Drop 2488 Except 7 mi f 24 green Spiral 4.22 2494 1007 950 942
2495 1013 965 960
2496 1021 970 942
Drop 2488 Sept 6 mi foam 24 gr. 21 .005 Spiral 4.11 2497 1015 935 910
2498 965 895 877
2499 1000 887 850
24 hole .005 Chem off Reflux treated KOH 2482 920 900
2483 917 882
2484 965 925
Drop of 2482 Except 21 Hole stock 4 Reg 4.22 2485 882 872
2486 952 935
2487 975 967
3/3707/1236
3/2944/981

11% KOH.

	Cell	50	100
	2169	896	
	2170	882	
	2171	880	
9% KOH.	2172	855	
	2173	840	
	2174	852	

		80	60	80	100	120	141
A	2333	510	525	475	445	380	297	335
Reg pockets	2334	513	530	477	440	382	305	322
Reg Graffite Mix.	2335	502	520	462	440	382	302	325
	2336	503	526	475	447	377	300	312
X	2337	512	528	475	442	375	307	312
A	2315	1097		473	463	399		
9 Co flake 1 Ni flake	2316	1082						
	2317	1100						
8 Co 2 Ni flake	2318	1080						
	2319	1067						
	2320	1073						
7 Co 3 Ni	2321	1082						
	2322	1075						
	2323	1084						
6 Co 4 Ni	2324	1075						
	2325	1060						
	2326	1053						
5 Co 5 Ni	2327	1030						
	2328	1025						
	2329	1027						

This cell has 21% KOH. Saturated with LiOH, after it has had 160 Hot runs — to run 20 Hot Runs —

160
305 Of made cells & 18-288 cells then 2nd or highest chg
292 Hot cell would 62 151 — 40 Runs
297 136 60 "
295 127 — 80 "
285 109 100 "
250/0 100 run loss 86 — 120 "

18 yield resistance on 1020 cube to 4735—
295
272
297
295
205 Had 4 thin on at least 20 runs—

		Cobb	50	100	150	200				
4 Co 6 Ni flake	A	2330	1030	Co						
		2331	1017							
		2332	1010							
No wash dried	A	1983	1165							
Low heat.		1984	1167							
		1985	1172							
½ wash	A	1986	1200							
Dried low heat		1987	1192							
		1988	1160	Co						
½ wash	A	1989	1107							
Dried high heat		1990	1135							
		1991	1125							
No wash		1992	1212							
Dried high heat.		1993	1197							
		1994	1182						250	
4 grms K Sulfate.		2190	1112	1127		1142	1021		776	✗
10 Cobb 24 hr		2191	1115	1126		1142	961		797	✗
		2192	1105	1127		1146	1060		693	✗
Ni Peroxide wet by		1998	895	1100	868					
Org. soln Nov 19 —		1999	867	1096	873		Co			
Reg 5.27		2000	865	1135	1082					

		Cub	50	100	150
2826 w Di 15 7th Pm — all stockdale plots					
0001 Ti plots not H. 82	5000	1081	1030	1050	1062
10 to 24 y-weed in 250					
1983 - Tri week dried	5001	1075	1032	1045	1065
Lowchart 26x30 005 4.87	5002	1068	1032	1055	1067
4 Rep.					
Dep 5000	5003	1082	1047	1062	1070
Green in 1986	5004	1070	1045	1070	1077
1/2 week Dried Lowchart					
2.19 4.92	5005	1083	1045	1072	1090
Dep 5000 -	5006	1042	1000	1025	1042
Green of 1989 - 1/2 week					
Dried high heat.	5007	1030	982	1020	1027
1.98 5.39	5008	1087	1040	1090	1087
Dep 5000	5009	1093	992	1027	1032
green in 1992	5010	1105	1042	1072	1085
Pre week dried high heat					
2.06 5.35	5011	1111	1025	1070	1085
Dep 5000 5.52	5012	1056	1000	1062	1075
grew one week in					
Germinator	5013	1050	1003	1055	1075
1.98	5014	1083	1025	1057	1057
Dep 5000 4.77	5015	1015	941	945	962
2 weeks germinator	5016	1022	950	962	992
2.16	5017	1057	977	990	985
Dep 5000 4.65	5018	988	900	950	976
4 weeks germinator	5019	992	900	930	967
2.13	5020	1008	900	925	970
Dep 5000	5021	993	887	922	950
8 weeks germinator	5022	1018	900	932	942
4.56	5023	1015	900	942	962

about 5 weeks germ of germinators 1 germinator
Others lost about 50 weeks 150 Rows

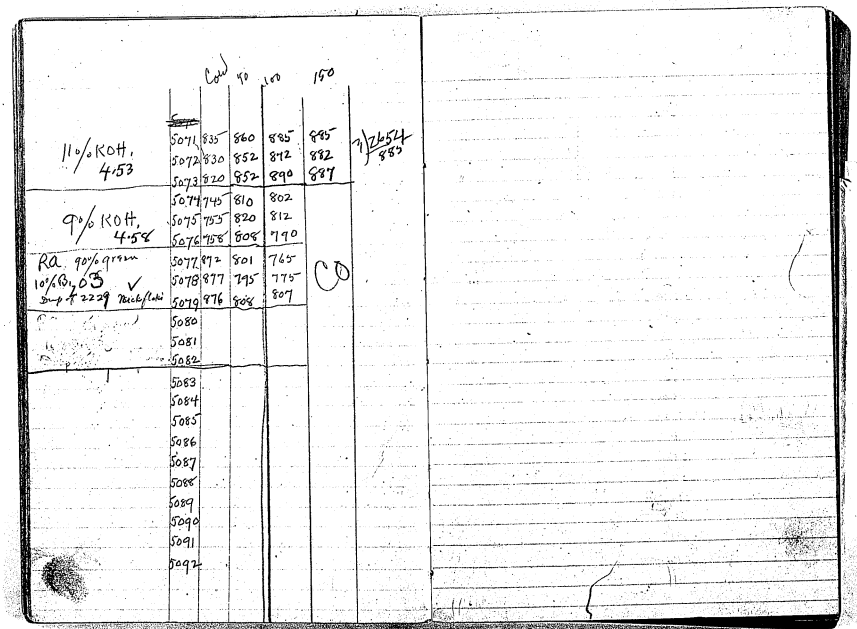
All Ni flake

		Cold	50	100	
Dup 5000 Greenwood Rd 752 — 31 2244 5.08	5024	982	838	860	) Co
	5025	987	830	850	
	5026				
Dup 5000 4.56	5027	975	913	950	962
Geopf Rd 7444	5028	980	922	952	982
Greenwood Rd 2247	5029	978	935	960	975
Reg Ni flake 0001 Not Ht. 065 26X30 Screw	5030	981	908	917	935
process High iron 5gpm	5031	972	909	930	947
21 4.59	5032	956	875	920	942
Dup 5030 Screw process Cubby Iron	5033	960	900	932	
	5034	950	888	920	
21 4:56	5035	973	912	942	
Dup 5030 4.59	5036	962	900	907	
New process Cubby Iron	5037	952	912	895	
Reading ones 10 each 21	5038	962	900	915	2.044
Ni flk 0001 Hrf Ht 26X30 005 3 gpm	5039	1142	772	640	542
4 gpm Run 30% KOH	5040	1120	717	645	562
4.63	5041	1106	725	632	545
31% KOH	5042	1092	682	657	600
	5043	1085	557	482	367
4.54	5044	1118	700	690	567
	5045	1076	805	755	727
29% KOH.	5046	1077	822	797	742
4.41	5047	1081	838	745	690

apparently grow is hurt,

Had this group changed to 21% + Rev 12 hours at 200 rate of then run on 60 and 5 Cum

		Cal	50	100		
	~~5047~~					
27% KOH, 4.62	5048	1031	870	850	827	
	5049	1031	825	835	827	
	5050	1036	837	845	825	
25% KOH, 4.57	5051	1010	881	882	870	
	5052	1012	915	925	917	
	5053	1015	920	920	937	
23% KOH 4.61	5054	990	910	915	917	
	5055	980	886	912	915	
	~~5056~~	~~982~~	900	925	935	
21% KOH 4.62	5056	968	908	940	962	
	5057	982	887	910	895	3)2797
	5058	980	918	932	940	932
19% KOH 4.57	5059	950	932	950	985	
	5060	957	932	950	972	3)2924
	5061	950	935	942	967	974
17% KOH, 4.59	5062	943	922	925	962	
	5063	922	931	945	967	3)2904
	5064	938	941	957	975	968
15% KOH 4.61	5065	907	930	942	962	
	5066	900	917	942	962	3)2879
	5067	891	899	932	955	959
	5068	886	882	920	950	
13% KOH 4.59	5069	872	887	920	942	3)2804
	5070	870	873	902	912	935


Cond
40
100
150
Temp
11% KOH, 4.53
9% KOH, 4.58
Ra 90% grain
10% Rb, 05
Imp # 2229 Nickel/Iron
5071 835 860 885 885
5072 830 852 872 882
5073 820 852 890 887
5074 745 810 802
5075 755 820 812
5076 758 808 790
5077 872 801 765
5078 877 795 775
5079 876 808 807
5080
5081
5082
5083
5084
5085
5086
5087
5088
5089
5090
5091
5092
CO

	Coal	YD	Lob.		
	5093				
	5094				
	5095				
	5096				
	5097				
	5098				
	5099				
Ni flakes Not Thru H coal Strips cut 20/000 wide Thru 20 lbs 24 ✓ 2 1/2 x 30 hole 3½ thg 005 4 rump burn grams 4:31	5100	962	900	835	750
	5101	957	932	930	932
	5102	945	887	877	862
Ditto Cut 20/000 wide 4:41	5103	980	915	870	790
	5104	955	906	867	832
	5105	967	928	912	907
Dup of 5100 Except 21 hole 005 stock 4:32 4:22	5106	922	887	882	877
	5107	900	867	862	832
	5108	938	895	865	840
Dup 5103 4:24 Except 21 hole 005 stock 4:23	5109	923	897	895	835
	5110	962	717	637	560
	5111	955	917	899	822
Ni flakes/thick Not Thru H 26x30 Hole 005 burn of 6 grey pk 10 of 25 ✓ 3½ 4:24 4:27	5112	985	935	955	950
	5113	986	950	950	952
	5114	997	965	955	967
9 ff 1/2 thick 4:37	5115	1005	975	987	972
	5116	1001	950	992	980
	5117	1006	982	992	985

Investigate this

		Cond	50	100	150 / Low bottom 10 x 2 to be determined
Dup 5112					
Except 8 Mfl ½ Mud	5118	998	978	990	980
	5119	986	960	972	967
24 g – 4.47	5120	996	972	1005	987
Dup 5112	5121	997	972	990	972
Except 7 flake ½ Mud	5122	1002	1010	995	980
24 g 4.60	5123	1000	981	1005	982
Dup 5112 4.81	5124	1020	995	1017	977
Except 6 flake ½ Mud	5125	1002	981	1007	975
24 g	5126	1006	973	1000	980
Dup 5112 4.93	5127	987	962	997	965
Except 5 flake ½ Mud	5128	987	970	995	977
24 g 2.0	5129	996	976	977	962
Dup 5112 5.07	5130	1007	985	992	957
Except 4 Mfl ½ Mud	5131	982	981	977	967
24 g – 1.95	5132	985	983	985	962
Dup 5112 5.09	5133	1002	992	1000	950
Except 3 Mfl ½ Mud	5134	1000	1005	1007	962
24 g – 1.99	5135	995	977	980	935
Rep Mfl 6000 w/out Mud Flake Hydrostatic very dull and upset Thru 24 26x30 hole ods 4.77 Rep – 4.77	5136	911	898	895	
	5137	900	925	815	
	5138	912	870	850	
Dup 5136	5139	920	860	850	
Except 5 Rep –	5140	925	777	865	
4.77	5141	925	850	820	

5167 bunched early but to 12th 5166 OK 25 Hot.

		Cold	50	100	150
Disp 5136	5142	900	855	860	
Except 6 Rings	5143	918	900	875	
4.82	5144	915	891	900	
Reg 0001 Nikrite not Thick H — 3 Lbs — 26X30 hole not burned 66	5145	930	905	927	925
	5146	940	923	942	920
Reg 4th- 4 rings 4.47	5147	940	916	935	937
Disp 5145	5148	922	906	930	920
Except 5 Rings	5149	922	915	920	900
4.50	5150	931	921	932	937
Disp 5145	5151	960	936	930	915
Except 4 Lb cut	5152	971	950	947	950
4 rings 4.71	5153	990	950	940	930
Disp 5145	5154	942	950	932	925
Except 4½ Lb cut	5155	947	917	917	895
4 Rings 4.71	5156	957	935	937	920
Noflake 0001 Nitrinit	5157	900	880	882	870
21 Hole 4 Lb cut 4.60	5158	892	865	870	872
4 Rings 4.46 cut	5159	881	875	872	815
Disp 5157 4.60	5160	900	906	917	846
Except 5 Rings	5161	900	893	900	825
	5162	915	870	879	800
21 Hole Coflake 10 Cut 2.49 Spiral slide 4 Rings 4.45	5163	991	1050	892	
	5164	1017	1063	895	
Coil	5165	1007	1107	965	
Disp 5163 4.44	5166	1050	970	767	
10 grms KOH	5167	1027	CO		

5-50		70 Hot 97 92	
OK — 230	230 Seam open	230 Seam open	228 Seam only Swelled

					Soda shampo to 21%	
21 Hole 1/2 Linen Rag Cylinder 10 qr 24	5168	937	1007	937		
	5169	970	1017	877		
	5170	917	983	17½	Rejected	
26480 ooo 3½ 46 10 ruffooo1 not th 24 qr Ramm 33% NaOH	5171	530	150	580		
	5172	410	400	420		
	5173	500	472	575		
Dup 5171 4.19 31% NaOH,	5174	690	670	660		
	5175	725	735	665		
	5176	730	750	685		
Dup 5171 4.24 29% NaOH,	5177	850	900	800	665	
	5178	720	792	645	565	
	5179	807	877	690	622	
Dup 5171 4.31 27% NAOH,	5180	1045	990	735	640	
	5181	1047	996	825	650	
	5182	1063	1008	850	940	
Dup 5171 4.28 25% NaOH,	5183	1125	1005	850	757	
	5184	1138	917	785	717	
	5185	1132	998	895	727	
4.30 23% NaOH	5186	1087	1032	940	772	
	5187	1070	991	900	767	
	5188	1063	997	880	800	
4.29 21% NaOH	5189	1050	987	900	797	
	5190	1047	998	885	850	
	5191	1045	998	930	865	

21% put in Reserved 200 gal for 12 hours then fresh req 5 times in 60 and = visit dud it do -

Taddum Empty out NaOH put in 15% NaOH soak 24 hours then 15% NaOH + 2 gpm Lithia Hydroxy rumboam

2-24

		Cold	45	100	
19% NaOH.	5192	1005	908	850	3)2557
	5193	1085	897	850	852
4-30	5194	1000	911	877	
17% NaOH.	5195	980	907	880	
	5196	977	905	890	3)2662
4-31	5197	984	910	892	887
15% NaOH.	5198	942	910	897	
	5199	945	902	877	2669
4-28	5200	947	910	895	
13% NaOH.	5201	895	907	900	
	5202	910	906	915	3)2710
4-26	5203	900	896	895	903
11% NaOH	5204	867	912	900	
	5205	870	917	900	3)2691
4-24	5206	875	912	897	897
9% NaOH.	5207	827	892	847	
	5208	835	900	877	2)1724
4-25	5209	787	840	650	862
7% NaOH	5210	790	840	825	
	5211	798	837	785	
	5212	793	812	785	
2400 005 Propoxylated Guinea meand 4# Reading	5213	950	932	870	
10 Ml Keto rxn mod 1	5214	952	927	877	
Not #1 9 2 24 # rxn pdt 4-18	5215	940	925	872	

Invalegate.

Low weights of green in Cuba due to Too much fines — 90 mm compressing 4,455 lb mix

9 in group 4.19	5216	978	922	900	
	5217	897	792	745	Co
	5218	960	887	852	
	5219	940	890	840	
	5220	982	755	582	
	5221	975	962	940	
Rep of 5213	5222	840	842	800	
	5223	922	910	882	
Except 5 Rumps 4.15	5224	910	875	827	
	5225	982	852	920	Co
	5226	972	958	925	
	5227	970	955	917	
	5228	950	953	922	
	5229	960	920	887	
2.46	5230	965	946	937	
2400 005 Buns not ground off — 10 M	5231	967	925		
	5232	965	925		
0001 3½ lbs lot, 4 rump 24 reg gram Reg pk not H, 4.12 2.37	5233	995	952		
	5234	975	933	900	
	5235	987	951	917	Co
	5236	977	923	930	
	5237	978	936	912	
	5238	970	878	807	
	5239	964	926	917	

There is probably too many ~~too many~~ ~~too many~~ ~~too many~~

Bad again too much fumes et. Packet found et out

Dup of 5821	5240	975	945	932	
Except 5 Rings	5241	962	926	917	
	5242	967	900	880	C
	5243	978	928	910	
4.17	5244	970	922	912	
	5245	975	935	922	
	5246	977	938	917	
	5247	975	928	912	
	5248	950	921	885	
Stock 26x30 005 burs off. 3½ Lb cast	5249	1000	955	915	
4 Rings - Req pack	5250	1000	962	937	
Miff I.D. 0001 not H.	5251	1012	962	932	C
green 24 hrs 20 fumes in	5252	980	912	880	
	5253	945	860	832	
	5254	1002	930	897	
2.30 4.17	5255	1018	960	935	
	5256	985	917	897	
	5257	1005	950	987	
Dup of 5249	5258	1007	950	912	
Except 5 Rings	5259	972	911	890	
	5260	972	863	812	C
4.15	5261	1006	931	907	
	5262	997	945	930	
	5263	980	897	855	

Last part 9 in group - 2.34	5264	982	897	860	
	5265	980	937	930	
	5266	1000	950	892	
Stock 21 holes ream .005 - bars off. $3\frac{1}{2}$ lb hot 4 rings Req pack 10 ml flake 0001 not H. 2.4 grain Thr 20 fenestrum 4.16 2.7	5267	942	910	860	
	5268	907	850	825	
	5269	870	847	835	
	5270	892	842	905	
	5271	927	868	837	
	5272	921	872	847	
	5273	946	900	895	
	5274	792	695	670	Inverclyde county originally rotten.
	5275	935	845	842	
Drop of 5267 Except 5 Rings - 4.04 2.35	5276	961	905	885	
	5277	952	892	870	
	5278	985	918	905	
	5279	951	887	835	
	5280	896	810	742	Inverclyde,
	5281	946	880	835	
	5282	960	876	835	
	5283	951	885	850	
	5284	960	895	847	
Stock big punched holes .005 - 10 lb f 0001 not H. Req pack $3\frac{1}{2}$ lbs 24 Poly q -	5285	935	907	892	
	5286	982	905	837	
	5287	895	843	792	Inverclyde

Readily 1.94

	5288	908	855	800
	5289	912	875	830
Grp Prep	5290	937	855	790
Scr Lin Spg	5291	922	860	825
4.15	5292	908	881	842
2.21	5293	925	870	840
Prep 5285	5294	955	920	917
Except 5 Rep	5295	952	926	957
	5296	950	810	730
	5297	957	917	922
	5298	933	921	945
	5299	940	935	957
4.47	5300	905	896	877
	5301	920	896	930
	5302	938	932	967
Stock 2400 - Guro ground, 4 rnup	5303	960	948	992
Spiral full turn	5304	895	886	915
	5305	930	937	967
3½ Elliot Nifft	5306	927	930	950
Nafft 0001 Reg	5307	932	915	930
Pack 24 Reg grade	5308	932	948	977
Thru 20 finer	5309	955	940	970
4 rnup 4.50	5310	956	942	970
	5311	977	956	975

Dissolved out by KCl

			% flake
Wt flake 5288	1.030	Wt of Mix 5.774	17.8 %
" 5289	1.146	5.950	19.2
5290	1.322	6.164	21.4
5291	1.214	6.009	20.2
5292	1.254	5.926	21.1
5293	1.273	6.042	21.6

Shows how even 30% flake — 20.2

Investigate this —

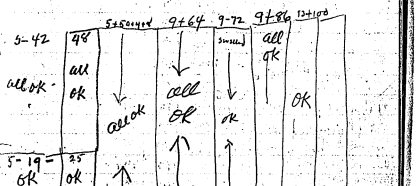
		Weight of Mix	Wt Wet Flake (Dissolved out)	Wt Flake	% Flake
Tested	5280	5.586	5.488	0.440	85 in 1st
	5274	5.437	5.870	0.538	91+9
	5287	5.715	5.617	1.004	81+19
	5296	6.418	6.282	1.524	75+25

This shows horribly irregular 4th without agitator in flake hopper

5321 to 5326 after 5 Cond 16 hot runs 6½ runs OK no more trouble –

		Cond	50	100	
Dupaf 5303	5312	992	956	962	
Except 26 X 30.	5313	987	940	957	
Spiral one	5314	985	955	982	
Complete turn	5315	990	943	970	
	5316	957	942	953	
4 Rungs	5317	977	950	962	
4.51	5318	985	947	950	
	5319	1007	947	962	
	5320	981	941	965	
21 Hole block .005	5321	970	845	765	
11 flake not H. 24 rungs RCP	5322	975	958	930	
10 flake .224 rungs RCP	5323	966	937	917	
Dupaf 5321 .247	5324	911	958	915	
Except punched holes	5325	987	885	865	
Single Rung RCP	5326	946	931	917	
Punched hole block	5327	985	967	990	
Spiral tube one wall tube turn	5328	1035	1000	1012	
Rung Not H. .005 24 rungs RCP	5329	992	960	977	
Punched hole block	5329½	937	900	940	
.005 = square one turn	5330	925	922	960	
Rung flake .005 – not H. 10 fl 24 rungs .129 pack 21½	5331	940	935	972	
	5332	958	942	972	
4.57	5333	935	925	962	
	5334	905	890	932	

* given heaven on reading but not kept them more



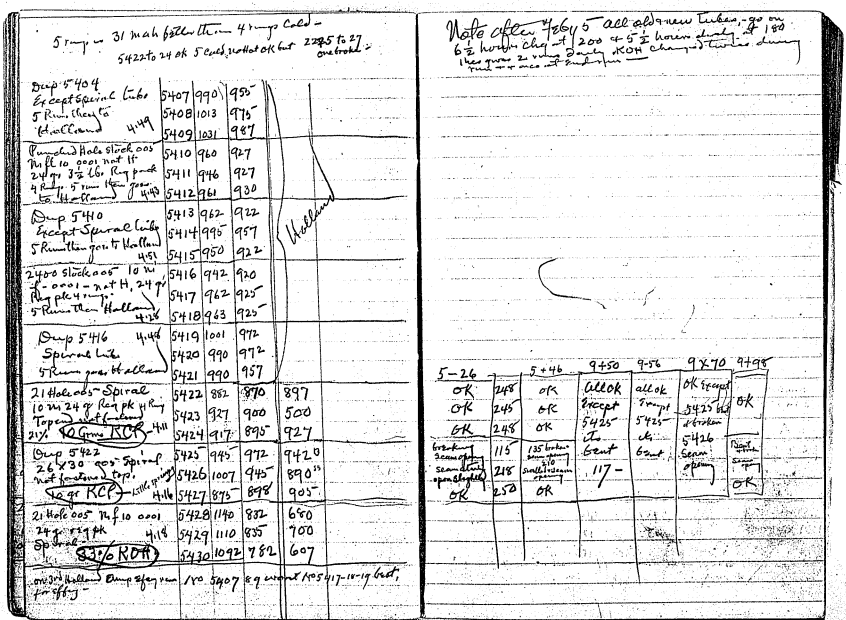
See last page	5335	952	870	842
	5336	933	927	958
	5337	972	967	987
Dup 5329½	5338			
Exception — 33⅓	5339			
Kolt	5340			
Dup 5329½ Except Nil Grade in cut drop 60 tons cut 3 in this — 1 mark Title 4:47	5341	927	887	
	5342	967	932	
	5343	1012	972	
Same as 5341 Except 21 Hole stock Spiral — 4:14 2:37.	5344	1035	995	
	5345	1023	925	
	5346	1033	995	
21 Hole stock 005 — SPIRAL one Complete turn 3½ 10 mf 24 gr 0001 Nott H — Rep pack 24 grams 21½ 4:44	5347	956	938	977
	5348	990	902	945
	5349	997	970	1008
	5350	1006	955	957
	5351	985	942	960
	5352	995	942	940
	5353	987	938	922
	5354	985	932	923
	5355	1000	920	925
21 Hole 005 10 mf 0001 Nott H. 3½ 60 Rep pk 24 grs Run 33⅓ Kolt 5 Runs	5356	1090	782	637
	5357	1125	833	672
	5358	1122	802	645

} 12 Runs part ∞ 2 grams d Oct.

Emptied out 33 put in 21½ Soaked 24 hours — then put in 21½ hours 2 grams Kolt Each code —

Run 31% KOH	5359	1085	887	762
2.32 4.25	5360	1083	783	635
	5361	1050	985	692
29% 4.30	5362	1030	775	632
2.34	5363	1032	477	382
	5364	967	768	925
27% 4.31	5365	1008	868	865
2.34	5366	1012	875	820
	5367	1010	906	862
25% 4.34	5368	995	908	890
2.31	5369	1017	938	912
	5370	997	910	850
23% 4.38	5371	945	907	885
2.32	5372	996	922	892
	5373	947	900	895
21% 4.38	5374	975	940	927
2.30	5375	948	920	915
	5376	970	880	812
19% 4.29	5377	935	931	932
2.16	5378	940	946	937
	5379	912	921	921
17% 4.27	5380	897	925	922
	5381	912	931	927
	5382	897	928	910

15% KOH		5383	862	927	927
2.02	4.24	5384	872	928	925
		5385	845	900	850
		5386	855	900	897
13%		5387	865	915	918
2.03	4.23	5388	762	925	802
		5389	790	877	850
11%	4.24	5390	835	912	900
1.97		5391	825	892	860
		5392	757	817	780
9%	4.21	5393	765	833	825
1.99		5394	720	795	787
		5395	700	748	632
7%	4.21	5396	750	820	782
1.99		5397	690	807	792
21 Hole .005 Mif 10 mil Mask H-Reg punch 10 ft 2 pr 3 1/2 lbs 21% 4 pr 5 Rm 5 ft Rm goto Holland	4.24	5398	977	947	
		5399	957	925	
		5400	975	942	
Dump of 5398 Mask 21 hole Spiral 4 Pump after 5 Rm goto Holland	4.24	5401	1006	977	Holland
		5402	992	950	
	4pr	5403	980	945	
26 #30 .005 mil 10 mil 24 ft mask H-Reg pk 35 4 pump after 5 Rm goto Holland	4.24	5404	955	927	
		5405	958	945	
		5406	958	925	



5 runs on 31 mah following them 4 runs cold –
5422 to 24 ok 5 cuts worked OK but 2285 to 27 one broke

Drop 5404 Except Spiral Tubes 5 Run them to Holland 449	5407	990	955	
	5408	1013	975	
	5409	1031	987	
Punched Hole stock .005 Mfl 10 .0001 nat H 24 pk 3½ lbs Req pk 4 Runs 5 runs then goes to Holland 449	5410	960	927	
	5411	946	927	
	5412	961	930	
Drop 5410 Except Spiral Tubes 5 Run them goes to Holland 451	5413	962	922	Holland
	5414	995	957	
	5415	950	922	
2400 Stock .005 10 M Mfl .0001 – nat H, 24 pk Req pk 4 runs 5 Runs then Holland 438	5416	992	920	
	5417	962	925	
	5418	963	925	
Drop 5416 4.48 Spiral Tubes 5 Runs goes to Holland	5419	1001	972	
	5420	990	972	
	5421	990	957	
21 Hole .005 Spiral 10 M 24 gr Req pk 4 Runs Tapes not [illegible] 21½ RC Cuts RCR 411	5422	882	870	897
	5423	927	900	500
	5424	917	895	927
Drop 5422 26 ½30 .005 Spiral not [illegible] Tapes 12 gr RCR 416	5425	945	912	9420
	5426	1007	945	890
	5427	875	898	905
21 Hole .005 Mfl 10 .0001 24 gr req pk Spiral 418 33% RDH	5428	1140	882	650
	5429	1110	855	700
	5430	1092	782	607
one 3rd Holland Drop 2 [illegible] for 4 [illegible]	180	5407	8 g	went 105 417-18-19 bad

Note after 4 PM 5 all old & new tubes go in 6½ hour change at 200 & 5½ hours change at 180 1 run [illegible] 2 runs [illegible] 3 runs [illegible] 4 runs [illegible] 5 runs [illegible] KOH change [illegible] during

5–26		5+46		9450	9-56	9X70	9498
OK	248	OK		allok	allok	OK except 5423 Hole broken	OK
OK	245	OK		except 5425 Jo Grant	5 runs then 6 runs ok		
OK	248	OK					
broken seam	115	185 broken seam 370 seam [illegible]				5426 Seam opening	Seam opening OK
seam [illegible] open [illegible]	248	small hole seam [illegible]		117 –			
OK	250	OK					

of 33⅓ :: Ecol light cond. run
21 Hole 1114 — Punched 1033 — 26X30 1137 — 30X34 1015

		50	100	
Dup 5428 Except Punched clock 1 Spiral 4.29 (33% KOH)	5431	915	640	505
	5432	1095	800	647
	5433	1090	840	575
Dup 5428 Except 26 X 30 005 Spiral 4.30 (33⅓ KOH.)	5434	1127	800	600
	5435	1145	750	550
	5436	1145	800	582
Dup 5428 Except 30X34 005 Spiral 4.01 (33⅓ KOH)	5437	870	690	492
	5438	1080	700	555
	5439	1095	833	682
21 Hole 0.035 burr ground, clean mist 10 M cool 24 g ring 4 ring Spiral flake 4.06 21% KOH	5440	970	955	975
	5441	972	942	980
	5442	930	892	920
RQ 707 Spiral 21 Hole 005 Not as cold not filtered dried low heat 0 Rep 4.17 5.10.	5443	1091	980	940
	5444	1060	1012	980
	5445	1092	987	942
Dup 5443 26X30 005 SPIRAL 4.14 5.12	5446	1117	972	920
	5447	1100	987	940
	5448	1112	970	892
RQ 707 Heat warm- filtered dried high heat 26X30 005 SPIRAL Rep 4.11 5.16	5449	1163	1135	1070
	5450	1175	1155	1135
	5451	1177	1155	1100
Dup 5449 21 Hole 005 Spiral 4.13 5.16.	5452	1167	1185	1175
	5453	1200	1200	1170
	5454	1185	1172	1135

						of KC Sulphate
Original cut mix	8033	before Rep	7929	104	103 mlg	1.972 1.782
"	7924	"	7829	"	97	
"	7911	"	7859	"	52	1.943

5449 — flake 25%
5450 23%
5451 25%

				50	
Rq 707 ½ wash not filtered Dried low heat	5455	1155		1107	1075
21 hole 005 Spiral	5456	1157		1060	1025
Req 9:31 5:04	5457	1180		1120	1117
Dup 5455 26 X 30 005 Spiral 9:36 5:11	5458	1186		1042	982
	5459	1202		1022	910
	5460	1190		1030	942
Rq 707 - ½ wash filtered Dried High heat 21 Hole 005 SPIRAL Req 9:43 5:19	5461	1092		922	870
	5462	1095		915	865
	5463	1125		910	790
Dup 5461 - 26 X 30 005 Spiral Req 9:48 5:10	5464	1132		925	842
	5465	1140		897	822
	5466	1092		892	835
Rq 707 - Req wash filtered Dried low heat Spiral 21 Hole 005 Req 9:56 4:46	5467	952		937	972
	5468	971		960	985
	5469	971		957	972
Dup 5467 26 X 30 005 Spiral 9:59 4:41	5470	950		945	967
	5471	967		947	970
	5472	1002		962	970
Rq 707 - Req wash (5) filtered Dried High heat 21 Hole 005 Spiral 10:06 4:37	5473	982		967	982
	5474	997		985	997
Req	5475	1008		985	997
Dup 5473 4 - 26 X 30 005 Spiral 10:14 4:43	5476	1022		995	1007
	5477	995		967	980
	5478	1010		922	942

The Take would Settle out of Solution 5455

Co

5459 ~~original~~ of flake —

5460 original lot 7.317 by Key lot #1 1.486 80420.

5461 - original lot 7.472 by Key found lot flake 1.539 80420

1.525 flake original 7.408 23/flake

1.421 flake 7.380 original 19/flake

1.580 flake = with 21 hole 005 spiral —

21/ft original 7.365.

cell ni flake

		Cold	50	
RA 707 Reg number of Unwashed, filtered, dried High heat.	5479	947	935	940
21 Hole 005" Spiral.	5480	965	947	975
Reg 2:17 4.40	5481	960	947	980
Dup 5479	5482	987	942	970
26 X 30 005" Spiral	5483	970	935	945
2:17 4:47	5484	957	922	955
RA 707 Reg number Unwashed Not filtered Dried Low heat, 21 Hole 005" Spiral Reg 2:17 4:25	5485	900	895	922
	5486	945	935	967
	5487	931	917	947
Dup 5485	5488	962	922	965
26 X 30 005" Spiral	5489	968	887	912
2:16 4:48	5490	972	857	862
put a bit of og green under ball for comparison	5491	972		932
Pack 21 Hole 005" Spiral	5492	987		947
2:10 4:16	5493	1000		957
Dup 5491 — Except green on hot plates 3 hours.	5494	865	822	842
	5495	893	837	855
2:1 4:16	5496	882	793	852
RA 707 No wash, Not filtered dried high heat 21 Hole 005" Spiral Reg (rinse) 5:32	5497	1000	882	700
	5498	982	792	690
	5499	967	822	690
Dup 5497	5500	1025	875	787
26 X 30 005" Spiral	5501	1030	720	607
(added) 5:42 1:9	5502	1026	817	740

1.516 flakes 6.359 original 23.8% flake.

The difference between these 2 5491 [illegible] 5494 was in the green the tube. The dilution but must be due to [illegible] making a [illegible] must green [illegible] [illegible] drier [illegible]

There was much def pan granules but wet green got more in tubes — a check about was the difference — U

5512 is good up Testing
using low Cap on both sides

		Cold	50		
Dup 5497	5503	980	792	675	
Except 21 hole 0035 Spiral —	5504	980	822	687	
1.87 Yield 5.51	5505	1058	760	755	
Dup 5497	5506	1072	920	855	
Except 26x30 0035 Spiral —	5507	1085	920	865	
Yield 5.56	5508	1070	950	877	
RQ 707 - No weigh down slow heat, filters 21 Hole 005 Spiral	5509	1196	1130	1095	
	5510	1212	1177	1172	
Req 2.20 5.49	5511	1215	1117	1092	
Dup 5509 · 21 Hole 0035 spiral -	5512	1243 *	1175	1172	
	5513	1245	1170	1160	
Yield 5.61	5514	1150	1170	1197	
Dup 5509 26x30 0035 spiral -	5515	1230	1192	1172	
	5516	1230	1180	1175	
Yield 5.61	5517	1238	1190	1162	
Dup 5509 26x30 - 005 spiral	5518	1207	1097	1047	
	5519	1192	1077	1025	
Yield 5.48	5520	1175	1075	1032	
RQ 797 not worked Yield - dried higher heat 21 Hole 005	5521	1187	920	727	
	5522	1166	1135	1095	
Req 2.00 5.84	5523	1137	1015	927	
Dup 5521	5524	1150	1067	1032	
21 Hole 0035 spiral	5525	1127	1000	957	
Req 1.91 5.93	5526	1170	1030	995	

original wt	8041	before RQ 8.139	98 gram	after RQ flask 2.2180 25%
"	7977	" 8.071	" 94 "	2.0726 25.4%
"	8041	" 8.139	" 98 "	2.0653 25.2

Crossed on wet asbestos

Dup 5521	5527	1095	872	822
26X30 005 Spiral- 5.17	5528	1112	922	870
1.9	5529	1082	872	760
RQ707 ½ wash filtered dried low heat 21 Hole 005 Spiral	5530	1183	1165	1150
	5531	1157	1150	1137
Rej 2.W 5.14	5532	1165	1137	1127
Dup 5530	5533	1217	1197	1155
21 Hole 0035 Spiral- 2.14 5.35	5534	1207	1182	1157
	5535	1210	1220	1180
Dup 5530	5536	1145	1115	1075
26X30 005 Spiral 2.14 5.27	5537	1137	1095	1097
	5538	1177	1050	1100
Dup 5530	5539	1207	1207	1132
26X30 0035 Spiral- 2.21 5.19	5540	1233	1205	1147
	5541	1232	1215	1185
Dup 5530	5542	1207	1177	1140
30X34 005 Spiral 2.14 5.14	5543	1195	1185	1167
	5544	1212	1035	930
21 Hole 0035 Spiral-	5545	1166	777	680
Rej- R 93% RO H 4.13	5546	1187	847	700
	5547	1203	875	930
Dup 5545 4.09	5548	1158	757	682
26X30 0035 Spiral (Run 33% RO H)	5549	1257	892	812
	5550	1218	877	742

X Mech 21 hole x Ball Plate 5

all Good 2.11

ALL Spiral

		Cyld	bb	100	
Dup 5449	5551	1000	665	580	
Except 33% KOH.	5552	1032	777	630	
5 rings	5553	1032	807	600	
Dup 5452	5554	1023	750	612	
Run in 33% KOH	5555	1015	805	630	
5 rings	5556	950	760	562	
21 Hole 0035 spiral Reg pk 10 mi from green 24 Run in 10% KOH Cyanide cell	5557	1042	970	982	
	5558	1060	997	1007	
5 rings H.61	5559	1070	982	962	
26 x 30 0035 Spiral Reg pk 10 mi from green 10% KOH H.70	5560	1041	995	995	
	5561	1037	992	1007	
	5562	1057	992	985	
21 Hole 005 SPIRAL Reg pk 5 Rings H.61	5563	1176	790	650	
	5564	1122	685	535	
Run in 33% KOH	5565	1206	750	650	
Dup 5563	5566	1218	840	712	
Except 21 Hole 0035	5567	1223	515	417	
5 Rings H.61 Run 33%	5568	1188	915	745	last
26 x 30 Spiral 0035 Reg pk 10 mi 24 green H.71	5569	1217	845	700	
	5570	1200	865	707	
5 Rings Run 33% KOH	5571	1175	862	682	
Dup 5569 spiral	5572	1130	722	565	
Except 26 x 30 005 H.64	5573	1135	772	627	
5 Rings 33% KOH	5574	1137	385	510	

5452	5436	7x50	9072
21 OK	OK		
245 OK	OK	allok	OK
175 bent	bent		
215 OK	OK		
195 OK	OK		
255 bent.	OK		

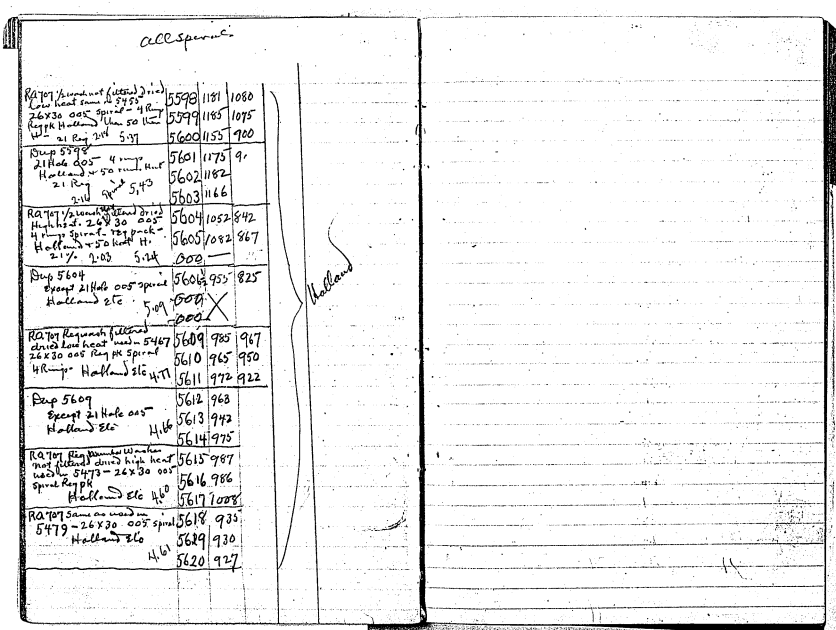
All Spiral

RA 707 -½ wound 5583 filters - 3 rings high heat	5575	1027	850	645
21 Hole 0035 - Spiral 5 Rings	5576	992	920	670
Repeat 33⅓% Same wound 5577	5577	1018	842	662
Dup 5575 21 Hole 0035 - 5 Rings Repeat 33⅓% 5578 5579 5580	5578	1070	690*	540
	5579	1085	880 x	675
	5580	1110	867 x	725
RA 707 Same wound 5579 - 26 x 30 0035 - 6 Rings - Spiral Repeat 5581 33⅓% Roll	5581	1110	787	665
	5581½	1110	847 x	662
	5582	1080	847*	680
Dup 5581 Except 26 x 30 005 - Spiral 5 Rings 5584 33⅓%	5588	942	645	450
	5584	862	520	150
	~~5585~~			
RA 707 Same wound 5443 No wash not fifth Brass Low heat, To Holland 50 Repeat Heat Hollands 26 x 30 005 Spiral 21½ Rings 5586	5586	1111	890	
	5587	1111	955	
	5588	1110	937	
Dup 5586 Except 21 Hole 005 Spiral Give to Holland - 50 hot 21½ 5589 5590 5591	5589	1022	842	
	5590	1030	862	
	5591	1035	892	
RA 707 Same wound 5443 No wash fifth Brass ½ wash filters 26 x 30 005 Rings Spiral Heat Hollands 50 hot 21 Rings 5592 5593 5594	5592			
	5593	No Hot Oil		
	5594			
Dup 5592 Except 21 Hole 005 Spiral Heat Hollands 50 hot 21 Rings 5595 5596 5597	5595	No Hot Oil		
	5596			
	5597			

Hollands

Wound 25 on Split Streaky Runny Darkest

Take these cells pour out liquid shows 3 rows Ni Tubes put in & Run in 33⅓ again to see if 33⅓ is not recommended as Reaching bad.


acc spring
RA 707 ½ overdrive (slotted drive) Low heat treat 5493 26x30 .005 spring 4 Reg PK Holland H 21 Reg 2.04 5.37
5598 1181 1080
5599 1185 1075
5600 1155 900
Rep 5598 21 Hole .005 4 ring Holland H 50 heat 21 Reg 2.10 5.43
5601 1175 9
5602 1182
5603 1166
RA 707 ½ overdrive (slotted drive) High heat treat 5493 26x30 .005 4 ring spring 787 pack Holland H 50 heat 21 Reg 2.03 5.24
5604 1052 842
5605 1082 867
.000
Rep 5604 except 21 Hole .005 spring Holland etc 5.09
5606 955 825
.000
.000
RA 707 Reg overdrive slotted drive Low heat treat 5467 26x30 .005 Reg PK Spring 4 Rings Holland etc 4.71
5609 985 967
5610 965 950
5611 972 922
Rep 5609 Except 21 Hole .005 Holland etc 4.66
5612 968
5613 942
5614 975
RA 707 Reg Overdrive Wankel Not slotted drive high heat treat 5473 - 26x30 .005 spring Reg PK Holland etc 4.60
5615 987
5616 986
5617 1008
RA 707 Same as used in 5479 - 26x30 .005 spring Holland etc 4.61
5618 935
5619 930
5620 927
Holland

all Spiral Lube

		Cold 50		
Ra 707 same as used on 5485 26x30 005 spiral - Holland 26	5621	910		Holland
	5622	928		
4.65	5623	892		
Ra 707 same as used on 5497 26x30 005 Holland 26 5.69 50 Hot	5624	977		
	5625	977		
	5626	1011		
21 Hole 005 1/2 Spiral 4 Rings Mf 10 005 Used Hi Reg pk 24 gr Flake 62 21% 4.68	5627	992	830	
	5628	1000	860	
	5629	995	812	
21 Hole 005 1/2 Spiral 5 Rings 10 Mf 005 Flake 62 Reg pk - 21% 4.67	5630	950	845	
	5631	1015	865	
	5632	1016	897	
Rings 5630 Except 21 Hole 0035 — 4 Rings Flake 62 21% 4.78	5633	990	917	
	5634	1011	930	
	5635	982	897	
21 Hole 005 1/2 Spiral Reg pk 5 Rings 24 gr Rim 33% Flake 63 4.66	5636	1150	740	
	5637	1142	757	
	5638	1145	740	
Rings 5636 1/2 Spiral 4 Rings Rim 24 gr 10 gr RCP Flake 63 4.70	5639	1020	982	
	5640	975	927	
	5641	922	800	
21 Hole 005 1/2 Spiral 20 Nillake 48 Reg 9 gr 4 Rings 3.09 4.49	5642	933	880	
	5643	943	870	
	5644	947	880	

* This grease keeps runs running hot than others

21 Hole .005 1½ spiral 30 M flake 72 Reg 4 rings 4.08 2.19	5645	882	800		
	5646	886	790		
	5647	885	795		
21 Hole .005 1½ spiral #9 Nickel 96 Reg Prem 4 rings 3.89 2.22	5648	862	797		
	5649	870	980		
	5650	863	820		
21 Hole .005 1½ spiral Hand Rubbed Graduating 4 Rings 3½ wt 2.09 4.60	5651	950	910		
	5652	962	962		
	5653	980	987		
Dup of 5651 Except 100 mil flour of Sulphur 4.70 2.10	5654	991	957		
	5655	983	942		
	5656	996	930		
21 Hole .005 1½ spiral 10 Wi 24 green 4 rings 4 lb coat 2.09 4.84	5657	1020	980		
	5658	1005	952		
	5659	988	952		
Dup of 5657 2.1 4½ lb coat 4.95	5660	1047	1000		
	5661	1050	985		
	5662	1043	1010		
Dup 5657 5.01 2.11 5 lb coat	5663	1057	1057		
	5664	1048	995		
	5665	1056	1000		
21 Hole .005 1½ spiral 20 M f 48 green Reg 2.14 4 lbs 4.09	5666	932	895		
	5667	877	810		
	5668	968	895		

Dup 5666 4.69	5669	991	940
4 1/2 weight	5670	987	912
2.13	5671	1021	985
Dup 5666	5672	995	915
5 lb coat	5673	1027	912
2.19 4.64	5674	1030	927
21 Hole .005 1/2 Spiral	5675	890	770
30 Min Hole 72 Ring Area	5676	938	820
4 lb coat 2.24 4.05	5677	933	833
Dup 5675	5678	932	845
Except, 4 1/2 lb Wt 2.27 4.13	5679	932	887
	5680	922	850
Dup 5675	5681	980	880
5 lb coat 2.31 4.22	5682	995	892
	5683	997	875
21 Hole .005 1/2 Spiral	5684	877	797
4 Rings 48 Hole in 96 Ring Area 4 lbs. 2.33 3.96	5685	910	800
	5686	867	782
Dup 5684	5687	922	845
2.36 4 1/2 lb 4.05	5688	900	797
	5689	920	822
Dup 5684	5690	947	857
2.36 5 lbs 4.13	5691	927	812
	5692	937	855

21 Hole 005 1½ spiral 20 No flakes some lay outs PROTO 5955 ½ inch wire 2½	5693	1159	1032
	5694	1155	1000
	5695	1187	980
Drop 5693 5.31 2.26 4½ lbs	5696	1207	1012
	5697	1197	1035
	5698	1195	1032
Drop 5693 5.35 2.22 5 lbs	5699	1177	970
	5700	1191	992
	5701	1205	967
	5702		
21 Hole 005 1½ Spiral 4 rungs 10 wff 24 Reg g Single Rung 10 flakes every rung 2.29 4.32	5703	1000	932
	5704	980	920
	5705	990	920
Drop of 5703 5 lbs 20 No flakes 4 strong grass 4 lbs wet 2.07 1 min 45 sec 4.03	5706	830	765
	5707	850	770
	5708	832	775
Drop 5703 Simple Rung 40 of 96 Reg g 5 lbs wet. 2.1 1 min 3.73	5709	785	750
	5710	787	717
	5711	807	740
21 Hole 005 1½ Spiral 10 wff 24 Reg g 4 rungs 1 min 33% with 100 wet g 8 flakes 4.71	5712		750
	5713		800
	5714		747
21 Hole 005 1½ Spiral 16 wff 24 Reg g 21% 200 wet g flow Sept 4.63	5715		930
	5716		907
	5717		937

5717

Long 4" Intn. 1½ Spiral 21 Hold 005 6 rungs Reg grass flake 68 put up with 4 wires - 24 grass 10 flakes next spring in 6.9 flakes wireless 1.40 7.12	5717	1344
	5718	1356
	5719	1324
	5720	1384
	5721	1372
	5722	1356
	5723	1336
Drop of 5717 Except grass No 1 work followed dried Low heat Reg 709 - 7.80 interspersed 68 flakes low 24 1.81	5724	1483
	5725	1447
	5726	1390
	5727	1380
	5728	1373
	5729	1400
	5730	1443
Reg 5717 Except ½ wash not followed dried Low heat 1.91 68 flake 7.71	5731	1510
	5732	1443
	5733	1460
	5734	1447
	5735	1390
	5736	1437
	5737	1443

Last Run in Walker Book
5787 –

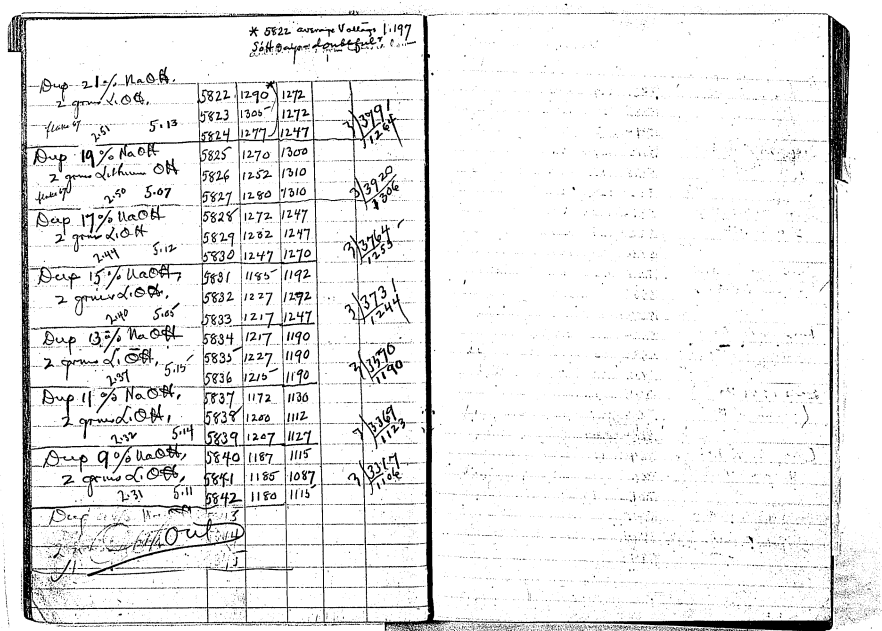
2 Holes 005" 1/2 spiral 3 = Cblot 10 mi 5 24 Ray after 4 mg 33% KOH 100 mlg Flour Sulphur 4.07	5775	1220	777	
	5776	1095	727	
	5777	1145	727	
Dup 5775 33% of 250 mlg Flour Sulphur 4.08	5778	1107	460	
	5779	1110	700	
	5780	1095	727	
Dup 5775 33% of 500 mlg Flour Sulphur 4.80	5781	975 500	0	
	5782	588 mm	0	
	5783	405 537	725	
Dup 5775 33% of 500 mlg Cinnabar 4.68	5784	1142	740	
	5785	1177	900	
	5786	1172	870	
Dup 5775 33% of 500 mlg Metallic Arsenic 4.09	5787	1172	872	
	5788	1145	870	
	5789	1205	937	
Dup 5775 33% of 500 mlg 4 old Ammunition 4.01	5790	0 542	725	
	5791	180 537	780	
	5792	0.0	722	
Dup 5775 33% of 500 mlg HgO 5.09	5793	1597	790	
	5794	1135	697	
	5795	1200	767	
Dup 5775 33% of 500 mlg Sulphide Calcium 4.96	5796	1150	617	
	5797	1167	635	
	5798	1112	577	

Grow put up with Metallic put up with Metallic put up with Rem [illegible] Rem [illegible] Rem [illegible]

				Don't seem heard at much			
Dup 5774							
33⅓ d 500 milq	5799	772 200					
Sulphide Antelliony	5800	850 1000			Co		
Hg 6	5801	750 800					
Dup 5775							
33⅓ d 500 milq	5802	1150	837	317			
Selenium — 4.68	5803	1137	900	335	Co		
	5804	1142	997	340			
green beam a conkad	5805	1017		850			
1 in Heat 33⅓ for							
1 month or when ripen	5806	1026		897			
2 rods under Lubes							
21 Hole 1/2 spiral — 4.34	5807	1007		850			
33⅓ with 4% grms Na ₂ S	5808						
1000 put on Hot Coast							
1 month 1 Till Autumn	5809	Put on Rack 8				250 R	300
21 Hole .005" 1/2 spiral	5810	917 x	890	813	767	837	830
Under precisely similar							740
35 mgs Heat 33⅓	5811	937	887	798	723	750	780
Have run on 21/.471	5812	892	872	799	767	797	
21 Hole .005" 1/2 spiral	5813	1067	687				
3½ wet ½ weak mist							
filter 3 rods Pourhent	5814	1042	650				
48 hrs in Hole 24 grains							
Run — 27% Na off	5815	1080	650				
Dup Run 25 Na off	5816	1120	870				
+ 2 grms Lithium Hydrox							
Each case	5817	850 *	845				
5.29	5818	1000	825				
Dup 23% Na off	5819	1297	1042				
2 grms Li off	5820	1275	1000				
2.5 5.15	5821	1287	1042				

* 5817 went 1112 on 2nd run?

Old 7 grms Na	Old 7 grms Na
1390	825
1345	800
1390	795



* 5822 average Volume 1.197
5th Output Analyzed

Dup 21% NaOH,
2 gms LiOH,
Flow 4 2.51 5.13
5822 1290* 1272
5823 1300 1272
5824 1277 1247
3 3991 1263

Dup 19% NaOH
2 gms Lithium OH
Flow 4 2.50 5.07
5825 1270 1300
5826 1252 1310
5827 1280 1310
3 3220 1306

Dup 17% NaOH
2 gms LiOH
2.49 5.12
5828 1272 1247
5829 1282 1247
5830 1247 1270
3 3764 1253

Dup 15% NaOH,
2 gms LiOH,
2.49 5.105
5831 1185 1192
5832 1227 1292
5833 1217 1247
3 3731 1244

Dup 13% NaOH
2 gms LiOH, 5.15
2.51
5834 1217 1190
5835 1227 1190
5836 1210 1190
3 3670 1190

Dup 11% NaOH,
2 gms LiOH,
2.52 5.14
5837 1172 1130
5838 1200 1112
5839 1207 1127
3 3369 1123

Dup 9% NaOH,
2 gms LiOH,
2.51 5.11
5840 1187 1115
5841 1185 1087
5842 1180 1115
3 3314 1104

			50		
21 Hol605 1½ Spin 4 rpm 3 sec wet 10 sec 24 grams 1½ cent not filter Dried Lane 2.60 Run — 27% Roff 2 grams 2 Off, 5.18	5846	1337	1375		
	5847	1337	1345		
	5848	1377	1365		
Dup 25% Roff, 2 grams 1 Off — 2.53 5.20	5849	1307	1302		
	5850	1320	1325		
	5851	1320	1322		
Dup 23% Roff, 2 grams 1 Off, 2.57 5.23	5852	1260	1297		
	5853	1227	1252		
	5854	1232	1275		
Dup 21% Roff, 2 grams 1 Off, 2.24 5.22	5855	1192	1232		
	5856	1187	1212		
	5857	1192	1220		
Dup 19% Roff, 2 grams 1 Off, 2.24 5.24	5858	1170	1210		
	5859	1180	1180		
	5860	1180	1247		
Dup 17% Roff, 2 grams 1 Off, 2.24 5.115	5861	1167	1187		
	5862	1157	1187		
	5863	1150	1175		
Dup 15% Roff, 2 grams 1 Off, 2.22 5.14	5864	1142	1127		
	5865	1160	1147		
	5866	1157	1142		
Dup 13% Roff 2 grams 1 Off, 2.22 5.09	5867	1180	1182		
	5868	1162	1150		
	5869	1180	1150		

3 | 524 / 173

3 | 3949 / 1316

3 | 3824 / 1273

3 | 3664 / 1221

3 | 3664 / 1221

3 | 3635 / 1212

3 | 3637 / 1212

3 | 3549 / 1183

3 | 3492 / 1161

3 | 3416 / 1139

3 | 3416 / 1139

3 | 3549 / 1183

3 | 3492 / 1161

	flasks(67) used 1 hr grow		Hallang changed 5876 to 2 7% NaOH 4 7% after 1 hr grow
Dup 11% KOH	5870	1140	1135
2 gm 2.0 ml –	5871	1180	1112
2.21 5.22	5872	1157	1140
Dup 9% KOH	5873	1097	1125
2 gm 2.0 ml –	5874	1120	1100
2.11 5.09	5875	1130	1100
Dup 5876 – 27% NaOH. for Hallang 2.09 5.34	5876	1080	
	5877	1125	
	5878	1117	
25 NaOH Hallang 5.26	5879	1165	
	5880	1147	
	5881	1180	
23% NaOH Hallang 5.33	5882	1130	
	5883	1180	
	5884	1182	
21% NaOH Hallang – 5.38	5885	1082	
	5886	1122	
	5887	1120	
19% NaOH Hallang 5.40	5888	1162	
	5889	1150	
	5890	1150	
	5891	1135	
17% NaOH Hallang 5.33	5892	1185	
	5893	1167	

3 | 1338 / 1129

9 | 3325 / 1105

3 | 3387 / 1129

Cwt 50

15% NaOH Holland 5.39	5894	1170		
	5895	1212		
	5896	1155		
13% NaOH Holland 5.33	5897	1170		
	5898	1175		
	5899	1187		
21 Hole 005 1½ spiral 3½ Lb cut 4 rings 21½ – 10 ¾ Ft 24 Reg green 2 grms formol Kzadecell	5900			
	5901			
	5902			
Dup 5900 Except 2 grms hypophosphite Kzadecell	5903			
	5904			
	5905			
21 Hole 005 1½ spiral 3½ Lb cut 4 rings – 10 ¾ Ft Before running in Cobalt Running the Cobalt in Counter 3 hours at 4.03 reading	5906	1075	780	
	5907	1075	987	
	5908	1067	940	
21 Hole 005 1½ spiral 4 rings 3½ cut 1½ Ft 2nd 10 Cobalt 24 green 2.17 Run Rej 5.40	5909	1150	1020	
	5910	1182	1065	
	5911	1180	1070	
21 Hole 005 1½ spiral 4 rings 3½ Lb cut 24 rings 5.01 5 ml flake ½ thickness 24 grms ½ green Dried in the hot	5912	1235	1155	
	5913	1215	1125	
	5914	1245	1162	
Dup 5912 5.09 but 4 Lb cut 2.45	5915	1230		
	5916	1250		
	5917	1267		

So far Gest cell will 62
21 Hole 005 4 Lb cut for long tubes
6 rings Tint flake ½ thickness Rochon Cell Crumpled – 24 green ½ in not f. thru heat thru 120 – better feed, 15% NaOH 2 others 2½ Lb OH, ought get 2.75 ml amp hour per gram green and 7,800 grms long tube, or 2,145 ml amp in long charge –

H Meyer Ha April 13 1907

2 75 9 5
2 46

Cent do above yet

H Meyer Mch 20 1908

Looks as if ½ thickness flake
Cent about the particles + make Cell
Contact 1/4 thickness 1/4 weight
ought get 62 better –
½ flake 100 rpm cent base Capacity

Dep 5915 Except 4 ½ lb cut 7.34 5.18	5918	1250		
	5919	1217		
	5920	1232		
Dep 5915 Except 5 lb cut 5.21 2.57	5921	1247		
	5922	1257		
	5923	1202		
21 Hole oos 1 ½ spiral 10 m Rocks 24 ½ winds not followed 2:50 Bore hole 4 Rev 3 ½ Lbs 5.36 10 gm KCl Rock salt.	5924	1192	1025	
	5925	1230	1085	
	5926	1232	1035	
Dep 4 lb cut KCl 5.36	5927	1205	1085	
	5928	1215	1060	
	5929	1195	1125	
21 Hole oos 1 ½ spiral 3 ½ cut 4 rev 10 m 2½ Rev 3½ cut Excellent reverse after 5 Rev Test the line — 4.61	5930	1145		
	5931	1170		
	5932	1142		
21 Hole oos 1 ½ 3 ½ 4 rev Rev 24 ½ Nickel Strip Changed reverse after the line was 50 Ω at 4.55	5933	0		
	5934	2		
	5935	1		
Dep 5933 - cut 3 more with 24 ½ rev and 24 ½ - golden Shallow 3476 - golden Shallow 3465 Run reverse Cut much	5936	1100		
Dep 5933 - cut 3 more with 24 ½ rev and 24 ½ - golden Shallow 3476 - golden Shallow 3465 Run reverse Cut much	5937	1140	912	

5921 group Changed Co50 + put on hot test no current for 12 min

	½ V	1 V
45	1072	1022
46	1037	617
47	921	811
48	956	803

5 10 ok 50 24 ok

Chg 6½ hrs Hot direct Not 180 ma

	½ V	1 V
5909	766	741
10	789	756
11	810	777
12	999	993
13	997	975
14	984	972

Chg 6½ hrs Hot in Cold 150 ma

	½ V	1 V
5909	495	482
10	512	479
11	522	487
12	662	632
13	647	630
14	636	625

Cobalt flake

Nifflake

Thus above chg hot is Co + Co flake is much worse than Ni flake both groups same except flake Co flake group has most green Ichy does flake make diff ploy flake attack + more so in Cone Co

21 Hole 005 1 1/2 spiral 3 1/2 Lbs wt 4 runs Reg speed	5938	1117	962
	5939	1135	977
21% Calcium glycerate 4.49	5940	1120	645
21 Hole 005 1 2 spirals 3 1/2 4 runs Rumbaugh 5 Lbs Can pressure Centrifuge 80 Kept w 19% KOH 4.6	5941	1097	
	5942	1110	
	5943	1120	
Dup 5941 Except use 17% KOH	5944	1065	
	5945	1072	
	5946	1090	
Dup 5941 Except use 15% KOH. 4.60	5947	1067	
	5948	1065	
	5949	1050	
Dup 5944 4.64 Except use 17% NaOH only	5950	1120	
	5951	1115	
	5952	1092	
Dup 5941 Except 15% NaOH 4.62	5953	1075	
	5954	1050	
	5955	1072	
Dup 5941 Except use 13% NaOH, 4.61	5956	1012	
	5957	1020	
	5958	1022	
21 Hole 005 1 1/2 spiral 3 1/2 weight 4 runs Rumbaugh Centrifuge 80 Kept w Kerosene not Lubricant	5959		
	5960		
	5961		

		50	100
Dup of 5959 Except flake 100/1000 wide2	5962		
	5963		
	5964		
Dup 5959 Except flake 120/1000 wide.	5965		
	5966		
	5967		
21 Hole .005. 1½ spiral 3½ cut 4 Rings ½ wash not fit flow heart under baffle with water 48 Normal 5.19 copper	5968	950	777
	5969	997	846
	5970	967	740
21 Hole .005 1½ spiral 3½ cut 4 Rings 10 flake Cut 60/1000 wide ½ wash not fit flow heart 24 " " 4.98	5971	1122	
	5972	1127	
	5973	1142	
Dup of 5971 Except the groove through 60 mesh. 5.19 immediately 5.18	5974	1155	
	5975	1130	
	5976	1157	
Dup 5971 5.14 Except groove through 100 mesh. 5.14	5977	1100	
	5978	1132	
	5979	1107	
Ra 710. Mass action groove 1½ spiral .005 4 rings 3½ 21 Hole 5.20 4.53	5980	1062	
	5981	1062	
	5982	1040	
21 Hole .005 1½ 3½ cut 4 Rings Coil by rolling ½ wash Ni flake not Roll to wrd.	5983	1155	
	5984		
	5985		

Ralph Ni Mass action is 850 710 groove 4 rings
Knife fellow smart high-low heart

Holland's Test on 5971-2-3

14 hour chg 300 dis 150 4 coppers 5th run

5972	Charged 135° dis normal	1175	1127
5971	" Normal dis 135°	1170	1122
5973	" & dis normal.	1120	1142

average dis voltage 5971 about 10 above 5972
" 5973 " 18 " "

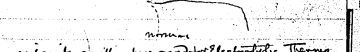
chgd 14 h 300 dis 150

5973 when chgd + dis hot gave 1050.
5971+2 chgd + dis normal 1100

5971 Chg hot 135° dry 5 hours 200 ma dis 158 discg normal 6,00
5972 Chgd normal dis hot 8,25
5973 Chgd + dis normal- 7.85

A 5 gram ½ giving 1480 chgd dis normal
Chgd 15 h 400 dis 300.
Same now chgd + dis hot @ 110° Fahr gave 2550 to Volt

The now has a dip at when it falls off normal



There is certainly something here good for Electrolytic Thermo

21 Hole 005 3½ wt 4 rr	5986		652	493
24 Rug graph Mix	5987		655	444
7 Mi Pellets - 1½ spiral			622	443
5.47 grms	5988			
21 Hole 005 - 1½ spiral 3½ wt 4 rr	5989	1300		
½ wash not fulled 4 rr	5990	1187		
Dried Low heat 60° Rings pushed on hard	5991	1158		
60 gm Fortrel Wool, 21 Hole 005 1½ spiral 4 rr 3½ wt	5992	1162		
½ wash not fulled 4 rr dried Low heat	5993	1157		
21% KOH 2 grms 1 hr 2 min Cool	5994	1145		
Dup 5992 Hollow 17% KOH 2 grms 1 hr 2 min Cool 4.97	5995	1125		
	5996	1120		
	5997	1120		
Dup 5992 Hollow 13% KOH 2 grms 1 hr 2 min Cool 4.96	5998	1160		
	5999	1115		
	6000	1100		
Dup 5992 Hollow Except 21% NaOH 5.08 2 grms 1 hr Each 60 gm	6001	1137		
	6002	1110		
	6003	1125		
Dup 5992 Hollow 17% NaOH 5.08 2 grms 1 hr	6004	1077		
	6005	1162		
	6006	1175		
Dup 5992 Hollow 13% NaOH 4.96 2 grms 1 hr	6007	1135		
	6008	1150		
	6009	1135		

Move & pump the column

21 Hole cap 1 spiral 3 t wt 4 rings Y2 wash not filled Shredded grass Thru 30 mesh 5.03 76 Ferric	6010	1145
	6011	1127
	6012	1137
Dup 6010 green thru 40 mesh 76 Ferric 4.98	6013	1090
	6014	1112
	6015	1097
Dup 6010 green thru 50 mesh 76 Ferric 5.06	6016	1135
	6017	1112
	6018	1142
Dup 6010 green thru 60 76 Ferric 5.05	6019	1107
	6020	1112
	6021	1120
Dup 6010 green thru 80 4 lb wt 76 Ferric 4.98	6022	1097
	6023	1095
	6024	1117
Dup 6010 green thru 100 4 lb wt 76 Ferric 4.89	6025	1140
	6026	1140
	6027	1180
Dup 6010 to green thru 180 5 lb wt	6028	Wouldn't feed
	6029	actuating Cake in -
	6030	the chute would drop out shut
Dup 6010 with green thru 20 mesh 4 lb wt 76 Ferric 4.83	6031	1145
	6032	1177
	6033	1180

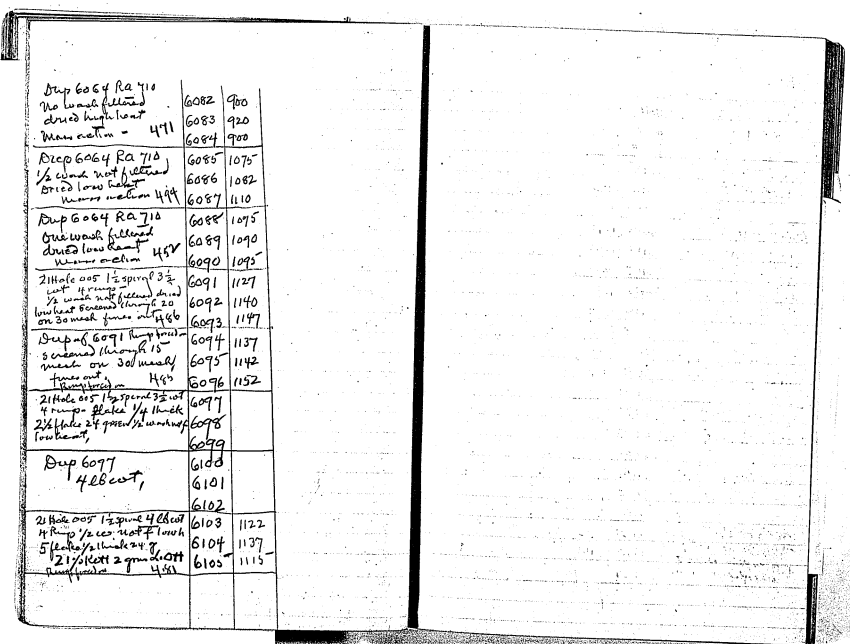
				Cold	50
Repack w/ tubes 2 degrease 1 iron	A	6010	1130	1250	
RA 871 scaffit 5% H2O	A	6011			
65 Ferric	A	6012	1230	1160	
Dup of 6010	A	6013			
Dup 6010 except RA 140 871 A 5% H2O	A	6014	1140	1100	
	A	6015			
Dup of 6014	A	6016	1150	1290	
	A	6017			

Wash gel [illegible] and fry
[illegible]

Dup 6010	6034	1170
green Chrom 20	6035	1202
4½ cut	6036	1202
To flocc 4.93		
Dup 6010	6037	1185
green Chrom 20	6038	1165
5 lb cut	6039	1215
To flocc 5.10		
Dup 6010	6040	1175
green Chrom 40	6041	1127
4 lb cut	6042	1130
To flocc 5.05		
Dup 6010	6043	1177
green Chrom 40 5.12	6044	1182
To flocc 4½ lb cut	6045	1167
Dup 6010 5.30	6046	1190
green Chrom 40	6047	1175
To flocc 5 lb cut	6048	1157
21 Hole 005 1/2 SPYRE 3/2 10	6049	1147
4 rungs — Short Leg	6050	1177
10 Pickled 24 screen 1/2 rungs	6051	1162
not filling Holes Lower Rung		
21½ 2 gram Caesium hydrate		
Dup 6049 4.99	6052	1150
21½ 2 gram	6053	1142
Rubidium hydrate	6054	1147
Dup 6049 4.93	6055	1100
21½ 2 gram Beryllium	6056	1110
Hydroxide	6057	1123

Dont forget to Crimp flake strips to corrugate so Gulf of flake will be twice or 3 times as great for same 10 oz gal SG green will distribute then a stop sooner layering + Trad oil to market +

Dup of 6049 Except 21% KOH saturated with KOH — 4.97	6058	1110
	6059	1090
	6060	1200
Dup of 6049 15% KOH 5.10 Saturated with KOH.	6061	1125
	6062	1180
	6063	1070
2 thicknesses 1½ spiral 3½ wt of wire — RQ 710 one wash not filtered dried high heat Mass action 5.11	6064	1155
	6065	1110
	6066	1105
Dup of 6064 - RQ 710 one wash filtered dried high heat. Mass action 4.67	6067	1122
	6068	1112
	6069	1095
Dup 6064 RQ 710 2 washes not filtered dried high heat, Mass action 4.51	6070	1082
	6071	1027
	6072	1085
Dup 6064 RQ 710 2 washes filtered dried low heat Mass action, 4.66	6073	1077
	6074	1092
	6075	1100
Dup 6064 RQ 710 one wash not filtered Dried low heat Mass action	6076	1125
	6077	1140
	6078	1135
Dup 6064 RQ 710 ½ wash filtered dried low heat Mass action —	6079	1090
	6080	1090
	6081	1065



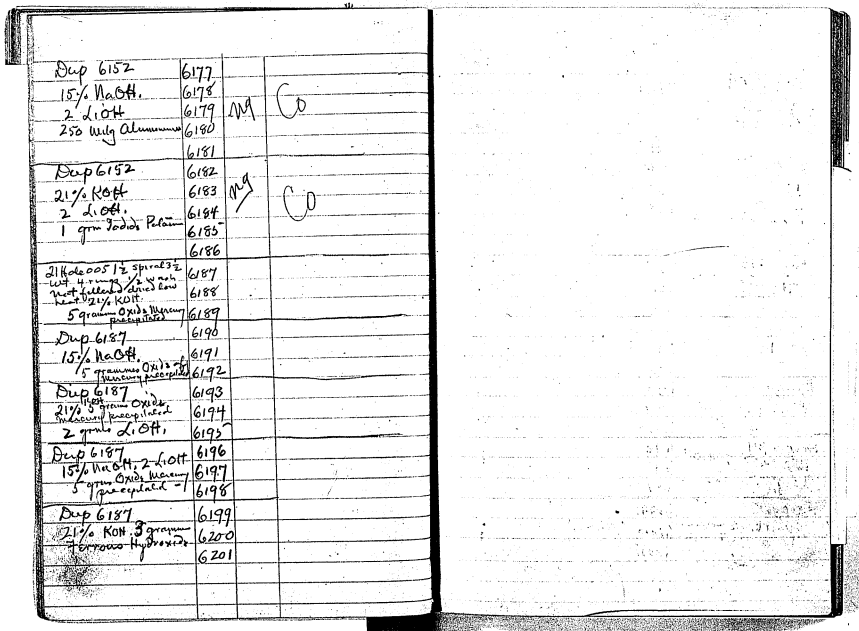
Dup 6064 Ra 710 No wash filtered dried high heat Mass action - 491	6082	900
	6083	920
	6084	900
Dup 6064 Ra 710 1/2 wash not filtered dried low heat Mass action 494	6085	1075
	6086	1082
	6087	1110
Dup 6064 Ra 710 One wash filtered dried low heat Mass action 458	6088	1075
	6089	1090
	6090	1095
2 Hole 005 1 1/2 spin 3 3/4 cot 4 rinse 1/2 wash not filtered dried low heat 80 sec Rinse 6 20 on 30 wash time in 446	6091	1127
	6092	1140
	6093	1147
Dup of 6091 Rinse (not 3 cubans) through 15 wash on 30 wash time out Rinse (not 3 cubans) on 445	6094	1137
	6095	1142
	6096	1152
2 Hole 005 1 1/2 spin 3 3/4 cot 4 rinse flake 1/4 thick 2 1/2 Hole 24 green 1/2 wash rinse low heat,	6097	
	6098	
	6099	
Dup 6097 4 lb cot,	6100	
	6101	
	6102	
2 Hole 005 1 1/2 spin 4 lb cot 4 Rinse 1/2 cc no filter 5 Holes/plate 24 g 2 1/2 Hole 24 g no wash Rinse (not 3 cubans) 451	6103	1122
	6104	1137
	6105	1115

Dup 6103 Ramp forced on 4:51 15% NaOH 2 grms LiOH 4:51	6106	1287
	6107	1232
	6108	1200
Dup 6103 Ramp forced on 15% KOH, 2 grms LiOH 4:11	6109	1087
	6110	1022
	6111	1112
Dup 6103 Ramp forced on 10% NaOH 4:16 2 grms LiOH	6112	1212
	6113	1247
	6114	1250
21 Hole 005 3½ 4 rings 1½ Spiral RA 710 Mirror section ½ wash flattened 3rd 2 hrs heat 5:15 12½ 2:45	6115	1025
	6116	1027
	6117	1030
21 Hole 005 1½ Spd 3½ 4 rings 10 Fringe RA 710 ½ Id. not flat 3rd 2 hrs heat Mirror section 5:07	6118	995
	6119	992
	6120	990
21 Hole 005 1½ Spd 3½ 4R RA 710 Mirror section 2 washes not flattened 3rd 2 hrs heat 4:46	6121	1072
	6122	1075
	6123	1115
Dup 6121 RA 710 Mirror section No wash not flattened, 3rd 1 hrs heat 7:10 am 5:04	6124	975
	6125	965
	6126	955
Long tube — 21 Hole 005 1½ Spiral Holes long mirror 31 Fringes RA 709 ½ Id flattened Low heat 6:19 pm	6127	1443
	6128	1447
	6129	1447

6137 - start here on new filter

21 Hole 005" 1½ spiral 3½ wt. 4 rings - 24 g 18 f 21% KOH for Rollers to test to 60 part with 2 chgs 72 4.60	6130		
	6131		
Dup 6127	6132	1417	
Long Tube	6133	1427	
70 filter 6571	6134	1427	
21 Hole 005" 1½ spiral 3½ wt 4 rings - 24 g woven wire fit 1 nut heat. 10 cc tube 24 grain New filter 21 KOH 2 gr Al OH. one gm aluminum	6137		
	6138		
	6139		
Dup 6137 15% NaOH, 2 Li OH. 1 gm aluminum new filter	6140		
	6141		
	6142		
Dup 6137 21% KOH, 2 LiOH. 500 mg Aluminum new filter	6143		
	6144		
	6145		
Dup 6137 15% NaOH 2 LiOH. 500 mg Aluminum new filter	6146		
	6147		
	6148		
Dup 6137 21% KOH 2 LiOH, 1 gm Iodide Pot new filter	6149		
	6150		
	6151		

Hot plate 3.2 gms Reg graphite mix 21% KOH, 2 gms LiOH-	6152 6153 6154 6155 6156		
Dup 6152 15% NaOH. 2 LiOH.	6157 6158 6159 6160 6161		
Dup 6152 21% KOH. 2 LiOH. 1 gms Aluminum	6162 6163 6164 6165 6166	mg	Co
Dup 6152 15% NaOH. 2 LiOH. 1 gms Aluminum	6167 6168 6169 6170 6171	mg.	Co
Dup 6152 21% KOH. 2 LiOH. 250 milg Aluminum	6172 6173 6174 6175 6176	mg	Co



Dup 6152 6177
15% NaOH. 6178
2 gram LiOH 6179 MM Co
250 mlg Aluminum 6180
6181
Dup 6152 6182
21% KOH 6183 MM Co
2 gram LiOH 6184
1 gram Iodide Resin 6185
6186
21 Hole 005 1/2 spin at 3/2 wt 4 minutes 2 gram Resin Next Used 21% KOH 6187
5 gram Oxide Mercury precipitated 6188
6189
Dup 6187 6190
15% NaOH. 6191
5 grams Oxide of Mercury precipitated 6192
Dup 6187 6193
21% 5 gram Oxide Mercury precipitated 6194
2 gram LiOH. 6195
Dup 6187 6196
15% NaOH; 2 LiOH 6197
5 gram Oxide Mercury precipitate 6198
Dup 6187 6199
21% KOH 3 grams Ferrous Hydroxide 6200
6201

Dup 6187	6202
21% KOH,	6203
2 grms LiOH.	
3 grms Ferrous Hydrate	6204
21 Hole 005 1½ spiral 3½ wt. 11 grms Ni/cond. mat. filling and Ni/cond — 24 grms to strike — No 1 position on grms filler	6205
	6206
	6207
Dup 6205 No 2 position on grms filler	6208
	6209
	6210
Dup 6205 No 3 position of feed	6211
	6212
	6213
Dup 6205 No 4 position of feed	6214
	6215
	6216
Dup 6205 No 5 position of feed	6217
	6218
	6219
21 Hole 005 1½ spiral 3½ wt. 11 grms Ni/cond. mat. filling and 10% LiOH No 2 grms —	6220
21% KOH 3 grms	6221
stations Each cell	6222
Dup 6220	6223
21% KOH, 3 grms each cell	6224
No additional LiOH	
2 grms LiOH Each cell	6225

Herzafter 1/2 wash with full dried long heart will be called No 2 grown

Dep of 6226- 15% NaOH, 2 grms di OH, 3 grms Acetone Enrichcell	6226 6227 6228
Dep 6229 15% NaOH, 3 grms Acetone Enrichcell	6229 6230 6231
Dep 6232 21% KOH, 3 grms Formatted Polymer Enrichcell	6232 6233 6234
Dep 6235 21% KOH, 2 grms di OH, 3 grms formate Polymer Enrichcell	6235 6236 6237
Dep 6238 21% KOH, 3 grms Ammonium Enrichcell	6238 6239 6240
Dep 6241 21% KOH, 3 grms Ammonium, 2 grms di OH	6241 6242 6243
[illegible]	6244 6245 6246
[illegible] 21% KOH, [illegible]	6247 6248 6249

Dup ~~6258~~ 6220 21% KOH. 3 grms Acetamide	6250 6251 6252
21 Holes .005 1½ spiral 3½ 4 rings. Npo2 packer. 10-15% KOH, 7½% NaOH. 2.5% LiOH. 10 ft 24 grms	6253 6254 6255
Npo 5975-64-7 with new Ni tube ½ ID wt 4 ft two heat Run again — 33% NaOH to acct for 33 hours new conductivity cell	6256 6257 6258
21 Holes .005 1½ spiral 3½ slot 4 Rings — Npo2 grms 24 gr 10 ft 2 Tubes one Ring Wt 4 hours 5 grms 21% KOH.	6259 6260 6261
Dup 6259. 21% KOH 2 grms LiOH. Each cell	6262 6263 6264
Dup 6259 15% NaOH. 2 grms LiOH Each cell	6265 6266 6267
Dup 6259. 15% NaOH. 3 grms LiOH — Each cell	6268 6269 6270
Dup 6259. 15% NaOH. 3 grms Bromide Potassium Each cell	6271 6272 6273
Dup	

Dup 6259 – 15% NaOH. 3 grms Chloride Potassium 2 ml cell	6274		
	6275		
	6276		
Dup 6259 15% NaOH. 3 grms Bromide Sodium 2 ml cell –	6277		
	6278		
	6279		
Dup 6259 15% NaOH. 3 grms Chloride Aluminum 2 ml cell	6280		
	6281		
	6282		
Dup 6259 21% KOH. 3 grms Bromide Potassium 2 ml cell	6283		
	6284		
	6285		
Dup 6259 21% KOH. 3 grms Chloride Potassium 2 ml cell.	6286		
	6287		
	6288		
Dup 6259 21% KOH. 3 grms Bromide Sodium 2 ml cell	6289		
	6290		
	6291		
Dup 6259 21% KOH. 3 grms Chloride Sodium 2 ml cell –	6292		
	6293		
	6294		
Dup 6259 21% KOH. 3 grms Chlorate Potassium	6295		
	6296		
	6297		

Dup 6259 21% KOH. 3 grms Chlorate Sodium	6298 6299 6300
Dup 6259 15% NaOH. 3 grms Chlorate Potash	6301 6302 6303
Dup 6259 15% NaOH. 3 grms Chlorate Sodium	6304 6305 6306
Dup 6259 21% KOH. 300 milligrms Bromates 2 grms LiOH =	6307 6308 6309
Dup 6259 15% NaOH. 300 milg Bromates 2 grms LiOH.	6310 6311 6312
Dup 6259 21% KOH. 3 grms Fluoride Potassium	6313 6314 6315
Dup 6259 15% NaOH. 3 grms Fluoride Sodium	6316 6317 6318
Dup 6259 21% KOH 3 grms Borax	6319 6320 6321

Dup 6259 15% NaOH. 3 grms Borax	6322 6323 6324		
Dup 6259 21% KOH, 3 grms Nitrate Potash	6325 6326 6327		
Dup 6259 21% KOH, 3 grms Nitrate Soda	6328 6329 6330		
Dup 6259 15% NaOH, 3 grms Nitrate Potash	6331 6332 6333		
Dup 6259 15% NaOH, 3 grms Nitrate Soda	6334 6335 6336		
Dup 6259 21% KOH, 3 grms Meta Stannate Soda	6337 6338 6339		
Dup 6259 15% NaOH, 3 grms Meta Stannate Soda	6340 6341 6342		
Dup 6259 21% KOH, 3 grms Chloride Lithium	6343 6344 6345		

Dup 6259 15% NaOH, 3 gr Chloride Lithium	6346		
	6347		
	6348		
Dup 6259 21% KOH. 3 grms Carbonate Pot Ash	6349		
	6350		
	6351		
Dup 6259 15% NaOH, 3 grms Carbonate Soda	6352		
	6353		
	6354		
Dup 6259 21% KOH, 3 grms Carbonate Pot Ash 2 grms LiOH,	6355		
	6356		
	6357		
Dup 6259 15% NaOH, 3 grms Carbonate Soda 2 grms LiOH,	6358		
	6359		
	6360		
Dup 6259 21% KOH, 3 grms Chloride Zinc	6361		
	6362		
	6363		
Dup 6259 15% NaOH, 3 grms Chloride Zinc	6364		
	6365		
	6366		
Dup 6259 21% KOH, 3 grms Chloride Manganese manganous	6367		
	6368		
	6369		

Dup 6259 15% NaOH, 3 grms Manganous Chloride	6370 6371 6372
Dup 6259 21% KOH, 3 grms Nitrate Lead	6373 6374 6375
Dup 6259 15% NaOH, 3 grms Nitrate Lead	6376 6377 6378
2 Hole coil 1½ spiral 3½ wire No 2 gr 12 24 grms 21% KOH.	6379 6380 6381
Dup 6379 14 Hole 24 grms 21% KOH.	6382 6383 6384
Dup 6379 — 2 days soak in Bismuth ammonchl in Chl ammonia 21% KOH.	6385 6386 6387
2 Hole coil 1½ spl 3½ wt 14 wraps 10 of 24 No 2 twisted 2 grs grms under observation for 1 day each with washing 21% KOH	6388 6389 6390
2 Hole coil 1½ spiral — 10 of 24 No 2 grms 12% NaOH, 3 grms LiOH 2 each cell	6391 6392 6393

Dup 6391 10% NaOH, 3 grms LiOH	6394 6395 6396	
Dup 6391 8% NaOH, Saturated with LiOH	6397 6398 6399	
Dup 6391 5% NaOH Saturated w. th LiOH	6400 6401 6402	
Dup 6391 3% NaOH, Saturated LiOH..	6403 6404 6405	
Duplicate 6391 13% NaOH, 5 grms Thalliona Hydroxide	6406 6407 6408	
Dup 6391 13% NaOH, 2 grms Thalliona Hydroxide	6409 6410 6411	
Dup 6391 21% ROH. 2 grms Thalliona hydroxide	6412 6413 6414	
Dup 6391 — Saturated Solution LiOH,	6415 6416 6417	

Phono Works Truck No 1

Cell No	% KOH	% K_2CO_3	% KCl	% K_2SO_4	Truck 1
8193	8.47%	2.27	.06	.04	E 18 Cells
8198	9.10	2.49	.04	.05	one year in use
8199	9.09	2.50	.05	.06	
6921	12.98	1.14	.10	.04	Truck No 2
6954	16.06	1.37	.06	.06	Cells removed from Sloan's truck and running about 2 months — Thin plate
6940	13.87	1.28	.05	.05	
9990	15.66	1.49	.04	.06	Truck No 3
10018	14.12	2.04	.07	.06	July 18 1906
9965	14.41	1.72	.06	.06	
	Average				
	8.88	2.42			Truck 1
	14.28	1.26			" 2
	14.73	1.75			" 3

No 3 Truck 6 months lost 6.59% of the 21— or 1 unit of KOH per month, & gained to of 1 part K_2CO_3 per month

		1	2	3	4
50 Fe 50 Cu Red	2643	1100	845	665	117
Self H. Ra 706 no Hg	2644	1100	825	665	108
5%	2645	1095	800	645	109
75/Fe 25/Bi 5%	2666	1860	1462	1760	1483
707 RQ - Red H self H	2667	1740	1380	1640	1262
50/Fe 50/Bi Ra 709	2668	1100	1200	1260	1067
Red by H Self H. 5%	2669	1080	1200	1260	1071
60 Fe 40 Cu Red H	2670	870	1290	1290	983
5% Hg0 self H. 5%	2671	860	1400	1400	1000
30 Cu 70 Fe Red by H.	2672	1170	1055	1080	1000
self H. 5% Hg0 5%	2673	1140	1055	1070	958
80 Fe 20 Cu 5% Hg0	2720	1165	1170	1060	1127
	2721	1140	1170	1100	1083
40 Fe 60 Cu Ra 724	2722	995	1145	1200	817
5% Hg0	2723	837	1025	1100	800
40 Fe 60 Cu No Hg	2724	900	1000	1000	721
Ra 720	2725	970	1070	1100	795
Reg Fe 15% Hg0 - 5%	2726	1337	1200	1445	1167
	2727	1300	1165	1370	1167
Reg Fe 20% Hg0 5%	2728	1310	1145	1355	1150
	2729	1332	1090	1322	1062
Reg Fe 25% Hg0 5%	2730	1225	1085	1300	1075
	2731	1242	1140	1350	1117
Reg Fe 40% Hg0 5%	2732	720	875	1100	917
	2733	792	980	1100	917

Iron—

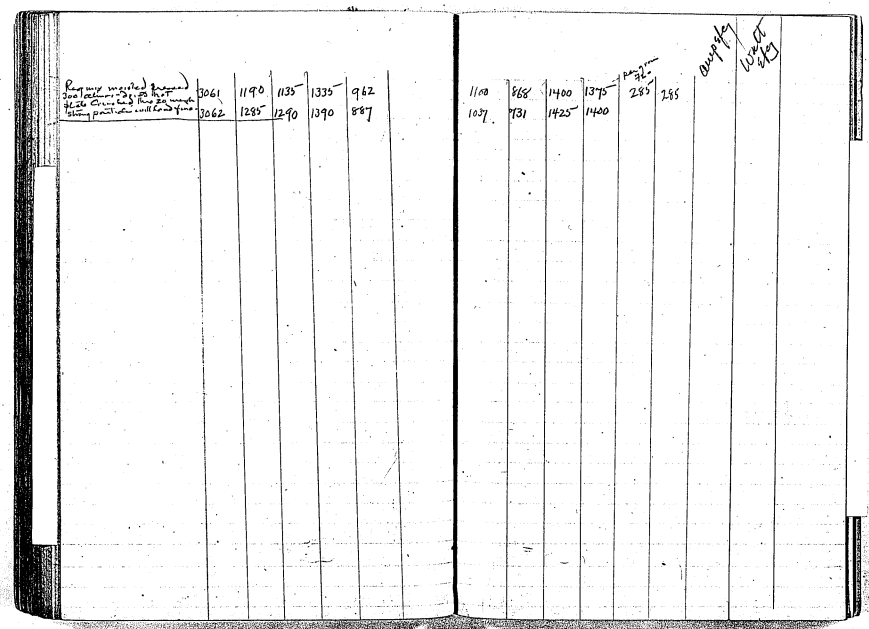
5	6	7	8	grams Fe	grams insol	Amp Eff	Watts
92	84	735					
96	84	732	Co?				
84	92	732					
1342	1348	1400	1837	475	356		
1183	1125	1387	1725				
1000	992	1292	1300	520	260		
1053	993	1255	1300				
842	821	1270	1300	440	264		
838	833	1377	1340				
1210	1117	1325	1242	350	249		
1183	1100	1295	1250				
1050	1147	1392	1375	336	269		
1083	1167	1372	1317				
737	883	1072	1250	587	235		
709	783	1040	1100				
654	667	1100	1000				
733	833	1150	1200				
1000	Co						
992	Co						
987	Co						
987	Co						
963	Co						
983							
833	Co						
871	Co						

		1	2	3	4
5 grams Re$_2$Fe 30% Ag	2734	967	950	1130	917
	2735	1075	1050	1172	967
5 gr Re$_2$Fe 50% Ag	2736	470	795	925	767
	2737	490	795	957	754
5 gr. Re 731 30% Cu 70% Fe$_2$ scaff 4% Ag	2738	985	857	C$_o$	
	2739	987	867	C$_o$	
5 gr Re 730 30 Cu 70 Fe$_2$ 8% Ag scaff	2740	1000	847	C	
	2741	1005	855	C	
DRG - 12 5 gr	2742	520	480		
	2743	570	470		
DRG 27 70 Fe$_2$ 30 Cu Red Ag scaff 5% Ag	2794	1387	1450	1485	1023
	2795	1350	1480	1435	1027
DRG 28 Red Ag scaff. scaff 5% Ag	2796	980	1075	1092	208
	2797	980	1100	1130	979
Re 741 60 Fe$_2$ 40 Cu Red H, scaff. 10% Ag	2810	1100	1195	1200	996
	2811	1092	1195	1192	1000
Re 742 70 Fe$_2$ 30 Cu Red H scaff 10% Ag —	2812	995	960	1080	898
	2813	960	910	967	833
Re 739 - 40 Fe$_2$ 60 Cu 10% Ag - Red H scaff	2814	960	1080	1080	934
	2815	912	1082	1082	962
Re 740 50 Fe$_2$ 50 Cu Red H, scaff H 10% Ag	2816	1127	1200	1215	996
	2817	1110	1200	1215	983
DRG 5% Ag 95 Fe$_2$ ignited oxided 5% Ag G-25 5 gr	2827	1405	1400	1600	1492
	2828	1400	1400	1665	1532
DRG 36 10 Ag 90 Fe$_2$ ignited oxided 5% Ag 5 gr	2829	1537	1410	1640	1577
	2830	1645	1482	1690	1579

		5	6			Re gram Fe	gram Ag	Ag Ag	Wt Ag
833	C$_o$								
833	C$_o$								
607	C$_o$								
771									
1033	1372	1395	1215						
1033	1372	1345	1233			350	297		
250	400	580	C$_o$						
621	582	995							
1105	1325	1400	1350						
1155	1327	1400	1335			448	269		
1075	1100	1145	1060						
1000	1060	1100	1040			300	210		
1058	1160	1227	1175						
1058	1185	1270	1275			612	245		
1168	1215	1290	1275						
1043	1217	1283	1240			500	251		
1400	1470	1475	1530						
1400	1500	1680	1600			348	513		
1417	1600	1567	1600						
1550	1590	1600	1655				325		

	1	2	3	4	5	6	7	8					
G 37 15% Bi 85% Ig melting eutectic Resin seeds 5% Hg0 5%	2831	1145	1220	1037	1000	1058	1450	1482	1415				
	2832	1165	1240	1180	983	1074	1485	1422	1450				
G 38 20 Bi 80% Ig melting eutectic Resin seeds 5% Hg0 5%	2833	1062	1185	SC	1467	1317	1600	1550	SC				
	2834	1050	1300	1227	1083	1272	1570	1557	1522				
DrG 38 - 20 Bi 80% Ig Non pyro 5% Hg0 5%	2869	1575	1300	1500	1217	1350	1400	1572	1572	1700	1700	418	334
	2870	1600	1300	1485	1142	1342	1470	1500	1540	1675	1685		
DrG DrG 80% 20 Tin Non pyro 5% Hg0 5%	2881	1660	2185	2072	2175	1838	1800	2212	2035	2210	2090	494	393
	2882	1595	1955	1787	1900	1920	1550	1900	1745	1780	1840		
DrG 45 - Non pyro 5% Hg0 80% 20 Sb	2883	1537	1437	1675	1442	1625	1666	1790	1780	1950	1880	467	374
	2884	1595	1370	1650	1454	1600	1675	1790	1782	1900	1857		
DrG 38 5% Non pyro No Hg0 - 20 Bi 80%	2885	1682	1360	1540	1275	1400	1528	1670	1695	1735	1755	440	352
	2886	1700	1347	1537	1283	1375	1570	1685	1740	1780	1770		
Sodium Stearate Sulfate Formed Bituminal Seeds, mixed dry -	2907	1140	1770	1500	1525	1500	1850	1760	1745	2035	1895	380	372
	2908	1170	1732	1800	1565	1570	1830	1767	1770	2082	1885		
50 DrG Non pyro 5% Hg0 80% 10 Bi 20 Sn	2936	1487	2210	1780	2050	1975	SC	1910	1975	2300	2250	568	412
	2937	1525	1845	1695	1663	1633	1720	1630	1700	2085	1873		
50 G seeds 5% Hg0 80% 10 Bi 20 Sn	2940	1890	1865	2050	1958	1972	1795	1890	2447	2536		712	521
	2941	1900	1870	2075	2067	2050	1775	1900	2387	2650			
DrG 61 - seeds - 5% Hg0 70% 30 Sn	2981	1370	1480	1475	1481	1050	1855	1800	1920			552	385
	2982	1387	1360	1485	1431	967	1845	1885	1935				
DrG 60 seeds H 5% Hg0 75% 25 Sn	2985	1140	740	680	768	912	1320	1410	1538			305	313
	2986	1125	740	675	787	900	1355	1453	1600				

| | | |


Running mashed Potatoes
Sweet Potatoes 2 yrs to 11 yrs
Green Beans 2 yrs to 11 yrs
Baking Potatoes will keep fine
3061
3062
1190
1290
1135
1290
1335
1390
962
887
1100
1037
868
931
1400
1425
1375
1400
285
285
Page 72
Oatmeal
Wheat
Rice

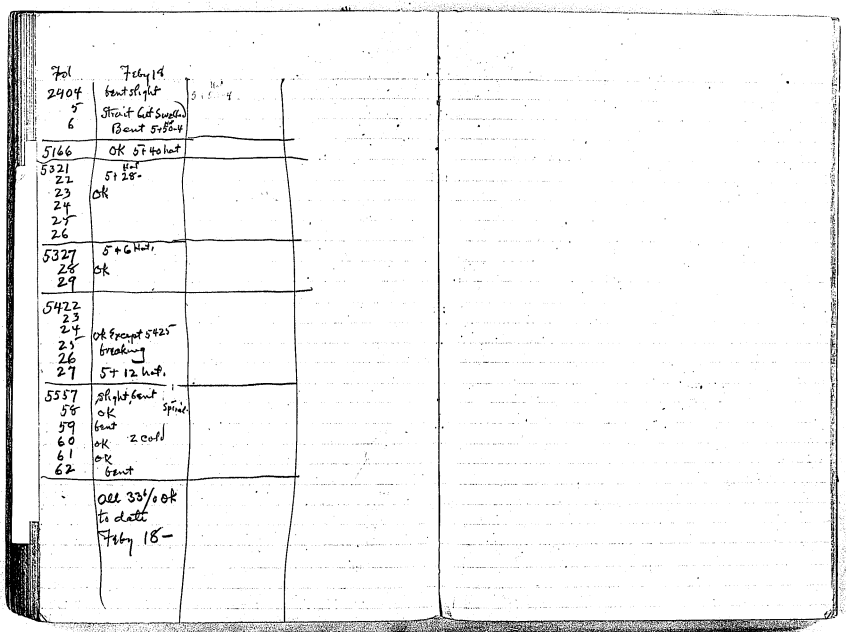
1 tube $\frac{1}{1000}$th part of

= 100 cc

$$120\overline{)1350}\,(11.25$$

$$\begin{array}{r} 120 \\ \hline 150 \\ 120 \\ \hline 300 \\ 300 \\ \hline 0 \end{array}$$

9 time



Fol	Feby 19	
2404	bent slight	
5	Strait Cut Surgical	
6	Bent 5+6 hut	
5166	OK 5+4 hut	
5321		
22	5+ 28 hut	
23	ok	
24		
25		
26		
5327	5+6 hut.	
28	ok	
29		
5422		
23		
24	ok Except 5425	
25	breaking	
26		
27	5+12 hut.	
5557	slight bent	spine
58	ok	
59	bent	
60	ok 2 cord	
61	ok	
62	bent	
	All 32 ok to date Feby 18	

Time of packing

Req	No.	Blanket	lbs	& min	24 gr
	20	" 3½		4.5 mm	
	20	4		4.5 "	
	20	4½		5	
	20	5		5	
	30	3½		3	
	30	4		3	
	30	4½		3	
	30	5		3	
	40	" 3½		2	
	40	4		2	
	40	4½		2	
	40	5		2	

Width punched part 3/4 inch
.005

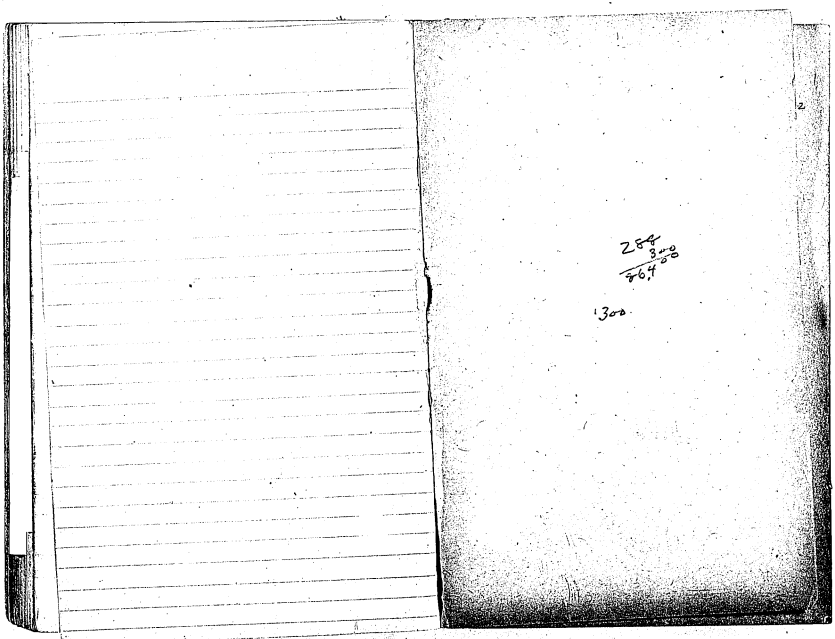
		Weight and Wire
Old 2400 hole 428 gm-Cell	34 holes per inch 30 " across	1.786
21 Hole stock 466 gm-Cell	16 holes per inch 20 " across	1.944
Punched stock, 386 gm-Cell	15 " across 17 to the inch	1.608
26x30. Stock — 478 gm-Cell.	26 holes per inch 30 holes across.	2.060

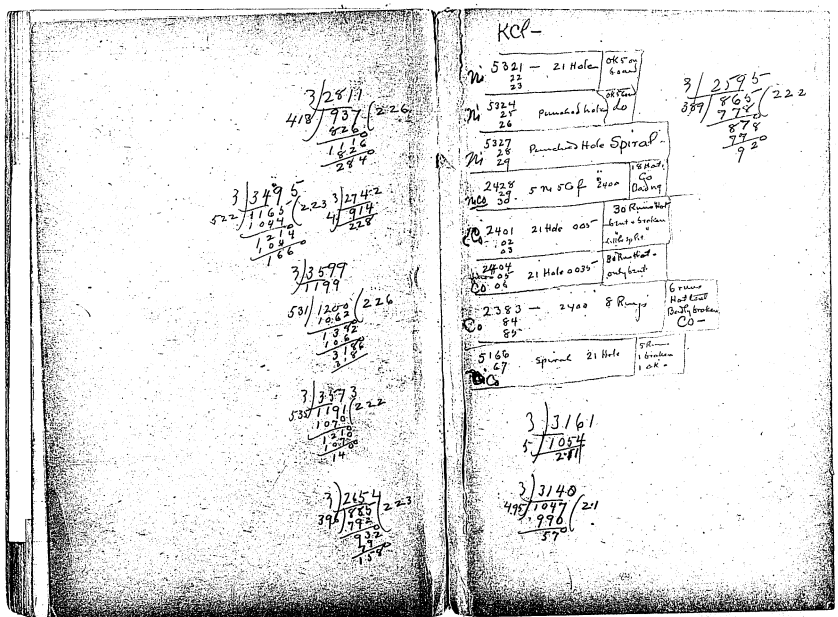
Weight new cell estimated

6 - Nickel grid	240.00	
180 " Tubes	478.00	
154 Iron cups	360.00	
Nickel mix incl flake	1632.00	
Iron mix	1080.00	
Electrolyte	1500.00	
Iron grids	130.00	
Can.	630.00	
Rubber parts	145.00	* not weighed
Uprights & Ends *	150.00	

6375.00 / 14.225

446
1784
1784
1784


2
2.84
3.00
5.84
1300


KCl-
5321 — 21 Hole
OK 5 run 6 small
5324 Punched holes
OK Run
5327 Punched Hole Spiral
2428 5 Tu 5 Gf 2400
18 Hard Go Ahead
2401 21 Hole .003"
30 Runs Hard Grant + Graham Little by Little
2404 21 Hole .003"
Hard Go .05 .06 .03
84 Runs Hard only 6 small
2383 — 2400 8 Runs
6 runs Hard ESSS Built broken CO-
5166 Spiral 21 Hole
5 R— 1 broken 1 OK -
3/2811 418/1937/2226 8260 1620 2840
3/3495 522/1163/1044 1214 1066
3/2744 4/914/228
3/3599 1799
531/1200 1062/1392 1062 330 318
3/3373 538/1791/1070 1078 1078 14
3/2654 398/1985/1592 393 159
3/2395 887/865/778 877 779 920
3/3161 5/1054/2.11
3/3140 471/1047/996 51

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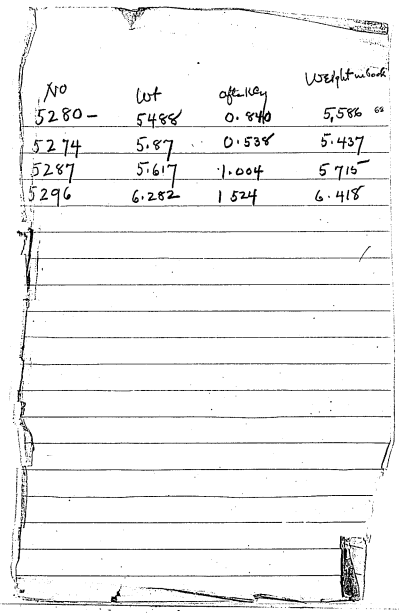

No	Wt	after key	Weight in Gold
5280 –	5488	0.840	5,586 60
5274	5.87	0.538	5.437
5287	5.617	1.004	5 715
5296	6.282	1 524	6.418

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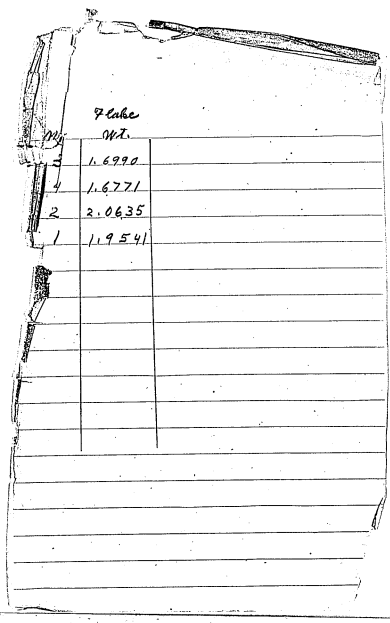

7 Cube Wt.

3	1.6990
4	1.6771
2	2.0635
1	1.9541

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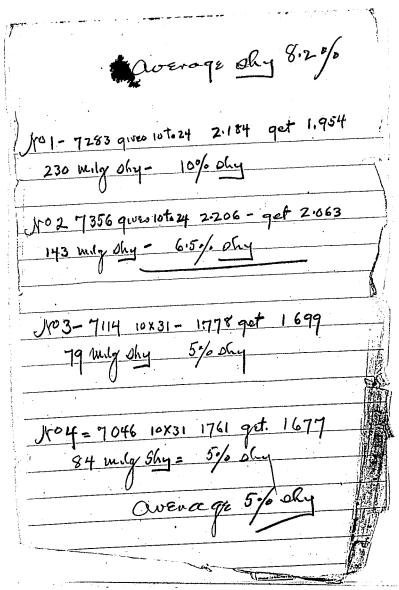

Average obs 8.2%

No1 - 7283 gives 10t=24 2.184 get 1.954
230 mlg obs - 10% obs

No2 7356 gives 10t=24 2.206 - get 2.063
143 mlg obs - 6.5% obs

No3 - 7114 10x31 - 1778 get 1699
79 mlg obs 5% obs

No4 = 7046 10x31 1761 get. 1677
84 mlg obs = 5% obs

Average 5% obs

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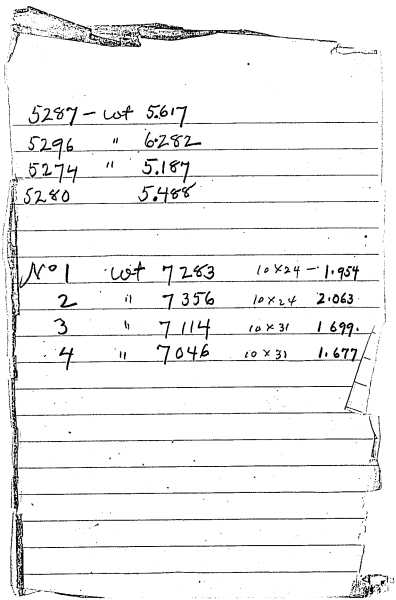
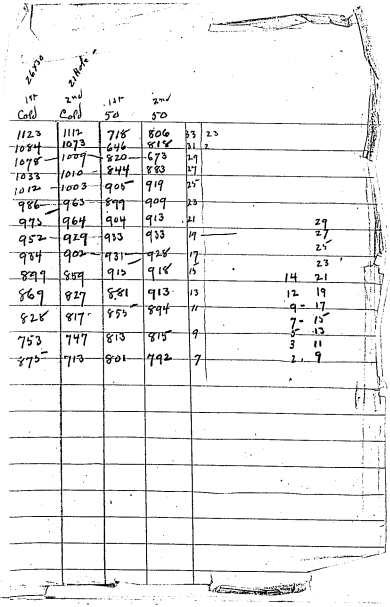


5287 – Lot 5.617
5296 " 6282
5274 " 5.187
5280 5.488

N°1 Lot 7283 10×24 – 1.954
2 " 7356 10×24 2.063
3 " 7114 10×31 1 699.
4 " 7046 10×31 1.677

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